



# Forest Bibliography

## to 31st December, 1933

RAJASTHAN UNIVERSITY LIBRARY  
DATE

### PART I.

- A. General Forestry (By Countries)
- B. Silviculture :
  - 1. General
  - 2. Seed and Seedling

COMPILED AND PUBLISHED BY  
THE DEPARTMENT OF FORESTRY  
UNIVERSITY OF OXFORD

OXFORD:  
HALL THE PRINTER LTD.  
1936.



Forest Bibliography  
to 31st December, 1933

PART I.



## Preface.

The systematic referencing of current forest literature was begun by the Oxford School of Forestry in 1920, and continued jointly by it and by the Imperial Forestry Institute after the establishment of the latter in 1924. At the outset the sole object of this work was to provide the staff and students with facilities for keeping in touch with the latest literature bearing on forestry, for which purpose a simple system of classification was devised.

The work continued on this understanding for several years, during which there was never any intention of publishing the bibliography which was accumulating. More recently, however, in response to requests from various sources, it has been decided to publish the results as they stand and so make them available for general use. In consequence of this decision, it is now proposed to publish this Bibliography in several parts, of which the present is the first. The Bibliography comprises literature published to the end of 1933, and contained in the library of the Department of Forestry. Everything published on and after the 1st January, 1934, will be referenced under the decimal system of classification prepared by Dr. Flury and recently adopted by the International Union of Forest Research Organizations. The collating of this bibliographical system with the decimal system of classification is shown on page 1.

The present Bibliography comprises a fairly complete list of papers, bulletins and other matter published in English and a considerable amount of literature published in French and German. Few publications in other languages are represented unless they contain summaries in English, French or German. This literature is grouped under two heads (1) periodicals, (2) other publications. Books, and unpublished and confidential matter, are not included,

The actual work of referencing publications has been carried out by various members of the staff of the Department of Forestry at Oxford, with occasional external assistance, but the bulk of it has

PREFACE

been done by Mr. P. S. Spokes, formerly Secretary to the Department. This division of labour must inevitably have resulted in some discrepancies and mistakes in spite of all possible care. Attention may also be drawn once more to the fact that this Bibliography was not originally intended for publication, otherwise it might have been prepared on somewhat different lines. In spite of the defects indicated, however, it is hoped that it may be of some service to those interested in literature bearing on forestry.

A large share of the work of preparing this Bibliography for the Press has devolved on Miss Guiney, Librarian in the Department of Forestry, to whom special acknowledgements are due.

R. S. TROUP,  
Professor of Forestry

OXFORD.

*August, 1936.*

## LIST OF CONTENTS.

	PAGE
Preface	i
List of Contents	iii
List of Abbreviated Titles used in this Bibliography	v
<b>SUBJECT CLASSIFICATION</b>	<b>1</b>
<b>GENERAL FORESTRY BY COUNTRIES</b>	<b>5</b>
<b>SILVICULTURE—GENERAL:</b>	
a. Periodicals	11
b. Other Publications	41
<b>SILVICULTURE—SEED AND SEEDLINGS:</b>	
a. Periodicals	51
b. Other Publications	73



## List of Abbreviated Titles used in this Bibliography.

**EXPLANATORY NOTE :** The following is a list of the abbreviated titles used in compiling the present bibliographical index to the periodicals, bulletins, reports and other material to be found in the library of the Imperial Forestry Institute, Oxford.

The abbreviations are given in the left-hand column and their explanation on the right : it should be repeated that this bibliography makes no mention of the books contained in the library, but claims to be, as far as possible, a complete index to the large collection of abstracts, annals of various associations, bulletins, check-lists, circulars, colonial, special and other reports, conference and congress proceedings of learned bodies, leaflets, various manuals, memoirs and miscellaneous publications, monographs, pamphlets, periodicals, professional papers, projects of work, records, reprints, research and other notes, statistics, theses, technical publications, working plans and so forth, relating to Forestry and allied subjects.

The periodicals included are those taken regularly by the library, and the bulletins, circulars etc., comprise generally those that appear in a series, but which are not received at regular intervals.

All publications referred to in the bibliography are available for consultation in the library of the Imperial Forestry Institute, Oxford.

<i>Acta Phoen.</i>	<i>Acta Phaenologica.</i> 's Gravenhage.
<i>Act. For. Fenn.</i>	<i>Acta Forestalia Fennica.</i> Helsinki.
<i>Act. For. Fenn. Repr.</i>	—Reprints.
<i>Afr. Ind.</i>	<i>African Industries.</i> London.
<i>Agr. &amp; For. Coll. Sungen, Korea, Bull.</i>	<i>Agriculture and Forestry College, Sungen, Korea</i> <i>Chosen, Korea. Bulletins.</i>
<i>Amher-Merwara For. Admin. Rept.</i>	<i>Amher-Merwara Forest Administration.</i> Calcutta. Reports.
<i>Ala. Com. For. Bull.</i>	<i>Alabama State Commission of Forestry.</i> Montgomery. Bulletins.
<i>Ala. Com. For. Pamph.</i>	—Pamphlets.
<i>Ala. Com. For. Inf. Ser.</i>	—Informational Series.
<i>Ala. Com. For. Rpt.</i>	—Reports.
<i>Algérie Stat. Rech. For. Bull.</i>	<i>Algiers Station de Recherches Forestières du Nord de l'Afrique.</i> Algiers. Bulletins.
<i>Allg. F. &amp; J. Ztg.</i>	<i>Allgemeine Forst- und Jagd-Zeitung.</i> Frankfurt.
<i>Alpe</i>	<i>L'Alpe.</i> Milan.
<i>Alsace-Lorr. Stat. For.</i>	<i>Statistique des forêts d'Alsace et de Lorraine.</i> Strasbourg. Reports.
<i>Amalg. Gen. Ann. Rpt., Ceylon</i>	<i>Ceylon Annual General Report on the Economic, Social and General Conditions of the Island.</i> Colombo. (Prior to 1931 this report was issued under varying titles.)
<i>Amani Res. Sta. Rpt.</i>	<i>Amani East African Research Station, Tanganyika Territory.</i> London. Reports.
<i>Ames Forester</i>	<i>Ames Forester.</i> Ames, Iowa
<i>Am. For. Club Quar.</i>	<i>American Forest Club Quarterly.</i> Seattle.
<i>Am. Forestry</i>	<i>American Forestry.</i> Washington.
<i>Am. Forests</i>	<i>American Forests.</i> Washington.
<i>(Am.) For. Quar.</i>	<i>(American) Forest Quarterly.</i> Ithaca.
<i>(Am.) Jul. For.</i>	<i>Journal of Forestry.</i> Washington.
<i>Andamans For. Admin. Rpt.</i>	<i>Andamans Forest Administration.</i> Delhi. Reports.
<i>Ann. Ec. Nat. E. &amp; F., Nancy</i>	<i>Annales de l'École Nationale des Eaux et Forêts.</i> Nancy.
<i>Anhalt Destr.</i>	<i>Anhalt.</i> Dessau Wirtschafts-Ergebnisse der Staatsforsten Anhalts. Dessau Reports.
<i>Ann. For.</i>	<i>Annales forestières.</i> Paris.
<i>Ann. Ist. For. Firenze</i>	<i>Annali del R. Istituto Superiore Forestale Nazionale.</i> Firenze.

## LIST OF ABBREVIATED TITLES

<i>Annals Appl. Biology</i>	<i>Annals of Applied Biology. Cambridge.</i>
<i>Ann. f. Schadlh.</i>	<i>Anzeiger für Schadlingskunde. Berlin.</i>
<i>Ariz. Dist. Invest. Ctece Rpt.</i>	<i>Arizona District Investigative Committee, District 3. Flagstaff. Reports.</i>
<i>Assam For Admin. Rpt.</i>	<i>Assam Forest Administration. Shillong. Reports.</i>
<i>Austral. C I S R Rpt.</i>	<i>Australia Council for Scientific and Industrial Research, Melbourne. Melbourne. Reports.</i>
<i>Austral. C I S R. Bull.</i>	<i>—Institute of Science and Industry. Bulletins</i>
<i>Austral. C I S R. Cir</i>	<i>—Circulars.</i>
<i>Austral. C I S R. Divn. For Prods.</i>	<i>—Division of Forest Products. Reports (Mimeo.).</i>
<i>Austral. C I S R. Divn. For Prods.</i>	<i>—Reprints and Miscellaneous Publications.</i>
<i>Misc.</i>	
<i>Austral. C.I.S.R. Divn For Prods.</i>	<i>—Pamphlets.</i>
<i>Pamph.</i>	
<i>Austral. C.I.S.R. Progr.</i>	<i>—Programme of Work</i>
<i>Austral. Cw For. Bull.</i>	<i>Australian Commonwealth Forestry Bureau. Canberra. Bulletins.</i>
<i>Austral. Cw For. Lst.</i>	<i>—Leaflets.</i>
<i>Austral. For. Jnl.</i>	<i>Australian Forestry Journal. Sydney.</i>
<i>Austral. Interstate Conf. for., N.S.W.</i>	<i>New South Wales, Interstate Conference on Forestry. Sydney. Report.</i>
 <i>Baden Nachw. Forstw.</i>	 <i>Baden Statistische Nachweisungen der badischen Forstverwaltung. Karlsruhe. Reports.</i>
<i>Baluchistan For. Adminn Rpt.</i>	<i>Baluchistan Forest Administration. Delhi. Reports</i>
<i>Bank Fml. Mthly. Bull.</i>	<i>Bank of Finland Monthly Bulletin. Helsinki.</i>
<i>Bartlett Tree Res. Lab. Bull.</i>	<i>Bartlett Tree Research Laboratories, Stamford, Connecticut. Bulletins.</i>
<i>Bartlett Tree Res. Lab. Educ. Bull.</i>	<i>—Educational Bulletins.</i>
<i>Bavaria Forststat. Jahresb.</i>	<i>Bavaria Forststatistischer Jahresbericht der bayerischen Staatsforstverwaltung. München. Reports.</i>
<i>B.C. For. Branch Rpt.</i>	<i>British Columbia Forest Branch Victoria, B.C. Reports.</i>
<i>B.C. For. Serv. Pubns.</i>	<i>British Columbia Forest Service. Victoria, B.C. Publications.</i>
<i>Bechuanaland Col. Rpts.</i>	<i>Bechuanaland Protectorate Colonial Reports. London.</i>
<i>Beihften Zeitschr. Schw. Forstw.</i>	<i>Beihften zu den Zeitschriften der Schweizerischen Forstvereins. Zurich.</i>
<i>Bengal For. Admin. Rpt.</i>	<i>Bengal Forest Administration. Alipore. Reports.</i>
<i>Berkeley Expt. Sta. Calif. Bull.</i>	<i>Californian University Berkeley Experimental Station. Berkeley. Bulletins.</i>
<i>Berkeley Expt. Sta. Calif. Cir.</i>	<i>—Circulars.</i>
<i>Berkeley Expt. Sta. Rpt.</i>	<i>—Reprints.</i>
<i>Bihar &amp; O. For. Admin. Rpt.</i>	<i>Bihar and Orissa Forest Administration. Ranchi. Reports.</i>
<i>Biol. Abs.</i>	<i>Biological Abstracts. Baltimore.</i>
<i>Biol. Reichenst. L.-u. Forstw.</i>	<i>Biologische Reichsanstalt für Land- und Forstwirtschaft. Berlin. Mitteilungen.</i>
<i>Black Rock For. Bull.</i>	<i>Black Rock Forest, Cornwall-on-Hudson, New York. Forest Bulletins.</i>
<i>B. Mus. Econ. Ser.</i>	<i>British Museum (Natural History). London Economic Series.</i>
<i>Bombay For. Adminn. Rpt.</i>	<i>Bombay Forest Administration. Bombay Reports.</i>
<i>Bot. Abs.</i>	<i>Botanical Abstracts. Baltimore.</i>
<i>Bot. &amp; For. Dept.</i>	<i>Hong Kong Botanical and Forestry Department. Hong Kong. Reports.</i>
<i>Bot. Soc.</i>	<i>Botanical Society and Exchange Club. Kew. Reports.</i>
<i>Braunschweig Wirtsch. Ergeb. For</i>	<i>Mitteilungen über die Wirtschaftsergebnisse der Braunschweigischen Forstverwaltung. Braunschweig. Reports.</i>
<i>Brazil Bol. Climat. Rpt.</i>	<i>Boletim Climatológico, Brazil. Rio de Janeiro. Reports.</i>
<i>Brazil Bol. Meteor. Rpt.</i>	<i>Boletim Meteorológico, Brazil. Rio de Janeiro. Reports.</i>
<i>Brazil Bol. Normaes Rpt.</i>	<i>Boletim de Normaes, Brazil. Rio de Janeiro. Reports.</i>
<i>Brd. Agr.</i>	<i>Board of Agriculture. London. Reports.</i>
<i>Brd. Com. Agr. For.</i>	<i>Hawaii Board of Commissioners of Agriculture and Forestry. Honolulu. Reports.</i>
<i>Brd. For. Rpt.</i>	<i>Board of Forestry. Dehra Dun. Reports.</i>
<i>Brd. Sci. Advice Rpt.</i>	<i>Board of Science Advice. Calcutta. Reports.</i>
<i>Br. Guiana Col. Rpt.</i>	<i>British Guiana Colonial Reports. London.</i>
<i>Br. Guiana For. Dept. Rpt.</i>	<i>British Guiana Forestry Department. Mazaruni. Reports.</i>
<i>Br. Guiana Lands Dept. Rpt.</i>	<i>British Guiana Lands and Mines Department. Georgetown, Demarara. Reports</i>
<i>Br. Guiana N.W. Dist. Rpt.</i>	<i>British Guiana North-Western District. Georgetown, Demarara. Reports.</i>
<i>Br. Guiana Rupunum Dist.</i>	<i>British Guiana, Rupunum District. Georgetown, Demarara. Reports.</i>
<i>Br. Hond. Col. Rpt.</i>	<i>British Honduras Colonial Reports. London.</i>
<i>Br. Hond. For. Dept. &amp; Trust</i>	<i>British Honduras Forest Department and Forest Trust. Belize. Reports.</i>
<i>Br. N. Borneo F. D. Bull.</i>	<i>British North Borneo Department of Forestry. Sandakan. Bulletins.</i>
<i>Br. N. Borneo For. Dept.</i>	<i>British North Borneo Forest Department. Sandakan. Reports.</i>
<i>Brunei Col. Rpt.</i>	<i>Brunei, Malaya and Straits Settlements Colonial Reports. London.</i>
<i>Br. Wood Pres. Ass. Cir.</i>	<i>British Wood Preserving Association. London. Circulars.</i>
<i>Bull. Com. For. Paris.</i>	<i>Bulletin du Comité des Forêts. Paris.</i>

## LIST OF ABBREVIATED TITLES

**Bull. Ent. Res.** Bulletin of Entomological Research. London.  
**Bull. for. pol.** Bulletin forestier polonais. Warsawa.  
**Bull. Imp. Inst.** Bulletin of the Imperial Institute. London.  
**Bull. Imp. For. Expt. Stn., Japan** Imperial Forestry Experimental Station. Tokyo. Bulletins.  
**Bull. Kol. Museum, Haarlem** Kolonial Museum te Haarlem. Haarlem. Bulletins.  
**Bull. S. F. Belgique** Bulletin de la Société centrale forestière de Belgique. Bruxelles.  
**Bull. S. Fr. Comté** Bulletin de la Société forestière de Franche-Comté. Besançon.  
**Bull. Soc. Amis Ec. Nat. E. & F., Nancy** Bulletin de la Société des Amis et anciens élèves de l'Ecole National des Eaux et Forêts. Nancy.  
**Burma For. Admin. Rpt.** Burma Forest Administration. Rangoon. Reports.  
**Burma For. Bull.** Burma Forest Department. Rangoon. Bulletins.  
**Burma For. Econ. Ser. Pamph.** —Economic Series. Pamphlets.  
**Burma Wkg. Pl. & Silvic.** Burma Working Plan, and Silviculture. Rangoon Reports.  
**Bur. Sci.** Philippines Bureau of Science. Manila. Reports

**Calif. Brd. For. Rpt.** California State Board of Forestry. Sacramento. Reports.  
**Calif. For. Res. Invest. Progr. Rpt.** California Forest Research Investigation Programme. Berkeley. Reports  
**Calif. State Pubns.** California State. Sacramento. Publications.  
**Calif. Univ. Admin. Bull.** California University. Berkeley. Administrative Bulletins.  
**Calif. Univ. Agric. Sci. Ser.** —Agricultural Science Series.  
**Camb. Plant. Gen. Abs.** Imperial Bureau of Plant Genetics. Cambridge. Plant Breeding Abstracts  
**Camb. Plant. Gen. Misc.** —Miscellaneous Publications.  
**Cameroons Col. Rpts.** Cameroons Colonial Reports. London.  
**Canada D. A. Bot. Bull.** Canada Department of Agriculture. Ottawa. Division of Botany. Bulletins  
**Canada D. A. Ent. Br. Bull.** —Entomological Branch Publications. Bulletins.  
**Canada D. A. Ent. Br. Cir.** —Circulars.  
**Canada D. A. Ent. Br. Pamph.** —Pamphlets.  
**Canada D. I. Misc.** Canada Department of the Interior Forest Service. Ottawa. Miscellaneous Publications.  
**Canada For. Serv. Bull.** —Bulletins.  
**Canada For. Serv. Cir.** —Circulars.  
**Canada For. Serv. Res. Notes.** —Research Notes.  
**Canada For. Serv. Tree Pamph.** —Tree Pamphlets.  
**Canada For. Serv. For. Topic** —Forestry Topic Series.  
**Canada F. P. L. Papers** Canada Forest Products Laboratory. Montreal. Papers.  
**Canada Nat. Res. Intell. Pubns.** Canada Department of the Interior. Ottawa. Natural Resources Intelligence Branch Publications.  
**Canad. Pulp Ass.** Canadian Pulp and Paper Association. Montreal. Publications.  
**Can. Air Brd. Rpt.** Canada Air Board. Ottawa. Reports.  
**Can. Com. Conserv. Rpt.** Canada Commission of Conservation. Ottawa. Reports.  
**Can. Com. Ntnl. Parks Rpt.** Canada Commission of Canadian National Parks. Ottawa. Reports.  
**Can. Dept. Ntnl. Defence Rpt.** Canada Department of National Defence. Ottawa. Reports.  
**Can. Dir. For. Rpt.** Canada Chief Inspector, afterwards Superintendent, afterward Director of Forestry. Ottawa. Reports.  
**Can. Divn. Bot. Rpt.** Canada Department of Agriculture. Ottawa. Division of Botany. Reports.  
**Can. For. Ass. Rpt.** Canadian Forestry Association. Ottawa. Reports.  
**Can. For. Mag.** Illustrated Canadian Forest and Outdoors. Ottawa.  
**Carnegie Inst. Pubns.** Carnegie Institution of Washington. Washington D.C. Publications.  
**Carnegie Inst. Repr.** —Reprints.  
**Cent. Prov. For. Admin. Rpt.** Central Province Forest Administration. Nagpur. Reports.  
**Centralbl. f. d. g. Forstsw.** Centralblatt für das gesamte Forstwesen. Wien.  
**Centralhav. v. Schim.** Centralbureau voor Schimmels-cultures. Baarn. List of cultures.  
**Central Organ Soil Sci.** Central Organ of Soil Science (Proceedings of the International Society of Soil Science). Berlin.  
**Ceylon C. F.** Ceylon Conservator of Forest. Colombo. Reports.  
**Ceylon D. A. Bull.** Ceylon Department of Agriculture. Colombo. Bulletins.  
**Colorado Coll. Pubns.** Colorado College. Colorado Springs. Publications.  
**Colorado Agr. Coll. Expt. Stn. Bull.** Colorado Agricultural College Experiment Station Publications. Fort Collins. Bulletins.  
**Col. Rpt.** Colonial Reports. All London.  
**Comment. For. Finl.** Commentationes Forestales. Helsinki.  
**Comm. Inst. For. Fenn.** Communicationes Instituti Forestalis Fenniae. Helsinki.  
**Comm. Lab. Prod. Vég. Kivu** Communications du Laboratoire des Produits Végétaux et de l'Herbier du Service Forestier du Kivu (Belgian Congo). Comité du Kivu. Bruxelles.  
**Comm. Quaest. For. Finl.** Communications ex Instituto Quaestorium Forestalium Finlandiae Editas. Helsinki.  
**Comm. Quaest. For. Finl. Repr.** —Reprints.



## LIST OF ABBREVIATED TITLES

<i>D. I. Bur. Educ.</i>	United States Department of the Interior (Washington, D.C.) Bureau of Education. Publications.
<i>D. I. Bur. Reclam.</i>	—Reclamation. Publications.
<i>D. I. Geol. Surv.</i>	—Geological Survey. Publications.
<i>D. I. Ntl. Park Serv.</i>	—National Park Service. Publications.
<i>Dir. Agr. Ceylon Admin. Rpt.</i>	Ceylon Director of Agriculture, Colombo. Administrative Reports.
<i>Dir. Agr. Ceylon Divn. Agr. Off. Rpt.</i>	—Divisional Agricultural Officers' Reports.
<i>Dir. Agr. Ceylon Educ. Sci. Art. Rpt.</i>	—Education, Science and Art Reports.
<i>Dir. Agr. Ceylon Tech. Rpt.</i>	—Technical Reports.
<i>Dir. For.</i>	Philippines Director of Forestry. Manila. Reports.
<i>Dir. Landb. Pubns.</i>	Direcție van den Landbouw. Utrecht. Publication.
<i>Dist. Bd. Irel.</i>	District Board, Dublin. Reports.
<i>Divn. For. Rpt.</i>	Department of Agriculture (Washington, D.C.) Division of Agriculture Washington, D.C. Reports.
<i>Dominica Agr. Dept.</i>	West Indies Dominica Agricultural Department. Dominica. Reports.
<i>D. S. I. R. Rpt.</i>	Department of Scientific and Industrial Research. London. Reports.
<i>D. S. I. R. Misc. Rpt.</i>	—Miscellaneous Reports.
<i>Eberswalde For. Hochsch. Jahresb.</i>	Eberswalde Jahrsbericht der Forstlichen Hochschule. Eberswalde. Reports.
<i>Eberswalde Forstl. Hochsch. Pubns.</i>	Eberswalde Forstliche Hochschule. Eberswalde. Publications.
<i>L'Ec. Alp. Bull.</i>	L'École Alpste Française. Nancy. Bulletin.
<i>Ecol. Mon.</i>	Ecological Monographs. Durham, N.C.
<i>Ecology</i>	Ecology. Brooklyn, N.Y.
<i>Emp. For. Jnl.</i>	Empire Forestry Journal. London.
<i>Entom. Mthly. Mag.</i>	Entomological Monthly Magazine. London.
<i>Essl. Forstw. Jahrb.</i>	Eesti Metsanduse Akadeemiat (Eesti) Forstwissenschaftliches Jahrbuch.
<i>Expt. Sta. Pubns. Florence</i>	Florence Experimental Station. Florence. Publications.
<i>Fan Mem. Inst. Biol. China Bull.</i>	Fan Memorial Institute of Biology. Peiping. Bulletins.
<i>Fiji Col. Rpt.</i>	Fiji Colonial Reports. London.
<i>Fml. Found. F. P. R.</i>	Finnland Foundation of Forest Products Research. Helsinki. Reports.
<i>Fml. Stat. For.</i>	Finnland Merkavastoto (Statistique forestière). Helsinki. Reports.
<i>Fin. Paper &amp; Tim. Jnl. Mthly. Rpt.</i>	Finland Paper and Timber Trade Journal Monthly Report. Helsinki.
<i>Fla. Agr. Expt. Sta.</i>	Florida Agricultural Experiment Station. Gainesville. Bulletins.
<i>For. Admin. Burma</i>	Burma Forest Administration. Rangoon. Reports.
<i>For. Admin. Utiliz. Circ. Burma</i>	—Utilization Circle. Rangoon. Reports.
<i>For. Admin. in Br. Ind.</i>	British India Forest Administration. Delhi. Reports.
<i>For. Com.</i>	Forestry Commission. London. Reports.
<i>For. Com. Bull.</i>	—Bulletins.
<i>For. Com. Jnl.</i>	—Leaflets.
<i>Forester Rpt.</i>	Department of Agriculture (Washington, D.C.). The Forester. Washington, D.C. Reports.
<i>Forestry</i>	Forestry. London.
<i>For. Quar. (Am.)</i>	(American) Forest Quarterly. Ithaca, N.Y.
<i>For. Res. Inst.</i>	Malaya and Straits Settlements Forest Research Institute. Kepong. Reports.
<i>For. Res. Inst. Rpt.</i>	Forest Research Institute. Dehra Dun. Reports.
<i>For. Res. Sta. Keijo, Korea. Bull.</i>	Forest Research Station, Keijo, Korea. Bulletins.
<i>For. Res. S. W. Dist. Rpt.</i>	Department of Agriculture (Washington, D.C.) Forest Service. Forest Research in the South Western Region. Flagstaff, Arizona. Reports.
<i>For. Rundschau</i>	Forstliche Rundschau. Neudamm.
<i>For. Serv. Rpt.</i>	Palestine Forest Service of the Department of Agriculture and Forests. Jerusalem. Reports.
<i>For. Soc. Irel.</i>	Forestry Society. Dublin. Reports.
<i>Forstarchiv</i>	Forstarchiv. Hannover.
<i>Forstl. Flugbl.</i>	Forstliche Flugblätter. Berlin. Pamphlets.
<i>Forstl. Forsøgsrv. Dan.</i>	Det forstlige Forsøgsråvæsen i Danmark. Copenhagen.
<i>Forstl. Jahresb.</i>	Forstlicher Jahrsbericht. Frankfurt.
<i>Forstl. Naturw. Zeit.</i>	Forstlich-Naturwissenschaftliche Zeitschrift. München.
<i>Forstw. Centralbl.</i>	Forstwissenschaftliches Centralblatt. Berlin.
<i>For. Trees &amp; Timb. Br. Emp.</i>	Imperial Forestry Institute. Forest Trees and Timbers of the British Empire. Oxford.
<i>For. Worker</i>	Forest Worker. Washington, D.C.
<i>Found. F. P. R. Finl. Pubns.</i>	Puututkien Tutkimusten Kannatusyhdistys r. f (Foundation for Forest Products Research in Finland). Helsinki. Julkaisut (Publications).
<i>Found. F. P. R. Finl. Tec. Notes</i>	—Teknillisia tiedonantoja (Technical Notes).

### LIST OF ABBREVIATED TITLES

<i>F. P. R. L. Rpts.</i>	Forest Products Research Laboratory. Princes Risborough Reports.
<i>F. P. R. L. Lfl.</i>	—Leaflets.
<i>F. P. R. L. Bull.</i>	—Bulletins.
<i>F. P. R. L. Misc.</i>	—Miscellaneous Publications.
<i>F. P. R. L. Sp. Rpt.</i>	—Special Reports.
<i>F. P. R. L. Tec. Papers</i>	—Technical Papers.
<i>Game Preserv. Burma</i>	<i>Burma Game Preservation. Rangoon. Reports.</i>
<i>Geog. Jnl.</i>	<i>Geographical Journal. London.</i>
<i>Geol. Dept. Rpt.</i>	<i>Uganda Geological Department. Entebbe Reports.</i>
<i>Geol. Surv. Dept. Rpt.</i>	<i>Tanganyika Territory Geological Survey Department. Dodoma Reports</i>
<i>Gesch. Deutsch. Land- u. Forstw.</i>	<i>Geschaftsstelle der Deutschen Land- und Forstwirtschaft. Prag. Publications.</i>
<i>Czech.</i>	
<i>Gold Coast Dept. Agric. Bull.</i>	<i>Gold Coast Colony Department of Agriculture. Accra. Bulletins.</i>
<i>Gold Coast For. Dept. Rpts.</i>	<i>Gold Coast Forestry Department. Accra. Reports.</i>
<i>Govt. Res Inst Formosa Pubns.</i>	<i>Government Research Institute. Taihoku, Formosa Publications</i>
<i>Gum Tree</i>	<i>Gum Tree. Melbourne.</i>
<i>Harvard For. Bull.</i>	<i>Harvard University. Petersham, Massachusetts. Forest Bulletins.</i>
<i>Harvard Misc. (For. Sec.)</i>	<i>—Miscellaneous Publications (Forestry Section).</i>
<i>Hawai. For.</i>	<i>Hawaiian Forester. Honolulu.</i>
<i>Hawaii Brd. Com. Agr For.</i>	<i>Hawaii Board of Commissioners of Agriculture and Forestry. Honolulu Reports</i>
<i>Hessen Forstverw. Volkstaates</i>	<i>Hessen Mitteilungen aus der Forst- und Kammlnverwaltung des Volkstaates Darmstadt. Reports.</i>
<i>Hokkaido Expt. For. Res. Bull.</i>	<i>Hokkaido University Experiment Forest Research Sapporo Bulletins.</i>
<i>Hong Kong Bot. &amp; For. Dept</i>	<i>Hong Kong Botanical and Forestry Department Hong Kong. Reports.</i>
<i>Hungary For. Res. Sta. Pubns (Hung.) Erd. Kis.</i>	<i>Hungary Forest Research Station. Sopron Publications.</i>
<i>Hyderabad For. Admin. Rpt.</i>	<i>Erdezseti Kisérletk. Sopron.</i> <i>Hyderabad (Assigned Districts) Forest Administration. Hyderabad-Deccan. Reports.</i>
<i>I.B.S.S. (Roth.) Tec. Com.</i>	<i>Imperial Bureau of Soil Science, Rothamsted Experimental Station. Harpenden. Technical Communications</i>
<i>Idaho Univ. For. Pubns.</i>	<i>University of Idaho. Moscow. Forest Publications.</i>
<i>I.F.I.</i>	<i>Oxford University Imperial Forestry Institute. Oxford. Reports</i>
<i>III. Bull. Nat. Hist. Surv.</i>	<i>Illinois Department of Registration and Education. Urbana Natural History Survey Bulletins.</i>
<i>Ill. Univ. Biol. Mon.</i>	<i>University of Illinois Urbana. Biological Monographs</i>
<i>Imp. Agr. Res. Conf.</i>	<i>Imperial Agricultural Research Conference. London. Reports.</i>
<i>Imp. For. Coll. Rpt.</i>	<i>Imperial Forest College. Dehra Dun. Reports.</i>
<i>Imp. Household Bull. Japan.</i>	<i>Imperial Household. Tokyo. Bulletin.</i>
<i>Imp. Inst. Rpt.</i>	<i>Imperial Institute. London. Reports.</i>
<i>Imp. Inst. Sel. Rpt.</i>	<i>—Selected Reports.</i>
<i>India Agr. Jnl. Rpt.</i>	<i>Indian Agricultural Journal. Calcutta. Reprints</i>
<i>India Bot. Surv. Rec.</i>	<i>India Botanical Survey. Calcutta Records.</i>
<i>Ind. For.</i>	<i>Indian Forester. Calcutta.</i>
<i>India For. Appx. Ser.</i>	<i>Indian Forester Appendix Series. Calcutta.</i>
<i>India For. Bull.</i>	<i>Forest Research Institute. Dehra Dun. Bulletin</i>
<i>India For. Econ. Proj.</i>	<i>—Economic Branch Projects.</i>
<i>India For. Mem.</i>	<i>—Memoirs.</i>
<i>India For. Misc.</i>	<i>—Miscellaneous Publications.</i>
<i>India For. Pamph.</i>	<i>—Pamphlets.</i>
<i>India For. Rec.</i>	<i>—Records.</i>
<i>India For. Serv. Coll. Rpt.</i>	<i>Indian Forest Service and Forest Rangers Colleges. Dehra Dun. Reports.</i>
<i>India For. Zool. Lfl.</i>	<i>Forest Research Institute Dehra Dun. Zoology Leaflets.</i>
<i>Indiana Dept. Cons. Pubns.</i>	<i>Indiana Department of Conservation. Indianapolis. Publications.</i>
<i>Indiana Dept. Conserv. Rpt.</i>	<i>—Reports.</i>
<i>Indiana Expt. Sta. Bull.</i>	<i>Indiana Agricultural Experiment Station Lafayette. Bulletins</i>
<i>Imber. Skogb.</i>	<i>Inberetning om det norske Skogvesen. Oslo. Reports.</i>
<i>Insp. For. Suisse</i>	<i>Inspection des forêts chasse et pêche. Berne Reports.</i>
<i>Inst. Bot. L. Errera Rpt. Misc.</i>	<i>Institut Botanique Leo Errera. Bruxelles. Miscellaneous Reprints.</i>
<i>Inst. For. Invest. y Exp. Spain. Pubns.</i>	<i>Instituto Forestal de Investigaciones y Experiencias Madrid Publications.</i>
<i>Inst. Rech. For. Poland Rpt. "Sylwan"</i>	<i>Institut de Recherches des Forêts à Varsovie Publications de la Société Forestière de Pologne. Warsaw. Reprints from 'Sylwan.'</i>
<i>Pubn. Soc. For. Pol.</i>	

## LIST OF ABBREVIATED TITLES

*Inst. Rech. For. Poland Trav. and Comptes Rendus.*  
*Inst. Rech. Prod. For. Czech. Recueils Trav. Inst. Rech. Agron. Cz-sł.*

*Inst. Rech. Prod. For. Czech.*  
*Annaires Inst. Rech. Agron. Cz-sł.*  
*Inst. Univ. Coimbra Portugal Pubns.*  
*Int. Cong. Plant. Sci. Procs.*  
*Int. Cong. Trop. Agr. Procs.*

*Internat. Rev. Agric. (M)*  
*Internat. Rev. Agric. Mthly. Bull.*  
*Internat. Rev. Agric. (T)*  
*Int. For. Cong. Touring Club*

*Int. Inst. Agr. Stat.*  
*Int. Rpts. Pedology*  
*Int. Silv. Cong. Procs.*  
*Int. Soc. Soil Sci. Conf. Procs.*

*Int. Soc. Soil Sci. Cong. Procs.*

*Int. Timb. & Silv. Cong. Procs.*  
*Int. Un. For. Res. Organiz. Cong.*  
*Procs.*

*Int. Yrbk. Agr. Leg.*  
*Ireland D. A. Lft.*

*Jahrb. Monat.*  
*Jamaica Dept. Agr. Rpt.*  
*Jamaica Puh. Gdns. Rpt.*  
*Jammu & K. For. Admin. Rpt.*  
*Jnl. Agric. Res.*  
*Jnl. Agric. Sci.*  
*Jnl. An. Ecol.*  
*Jnl. Arn. Arb.*  
*Jnl. Br. Wood Pres.*  
*Jnl. Ecol.*  
*Jnl. For. (Am.)*  
*Jnl. for. suisse*  
*Jnl. Land Agents' Soc.*  
*Jnl. Min. Agric.*  
*Jnl. N.Y. Bot. Garden*  
*Jnl. O.U.F.S.*  
*Jnl. R.R.J. Mal.*  
*Jodhpur For. Admin. Rpt.*  
*Johore Col. Rpt.*

*Kelantan Col. Rpt.*  
*Kenya Col. Rpt.*  
*Kenya F. D. Misc.*  
*Kenya F. D. Pamph.*  
*Kenya F. D. Rpt.*  
*Kew Bull.*  
*Kon. Acad. Wetenschappen, Holland*  
*Kon. Vereen. Kol. Inst. Bull.*  
*Kon. Vereen. Kol. Inst. Ber.*  
*Kon. Vereen. Kol. Inst. Med.*  
*Kon. Vereen. Kol. Inst. Misc.*  
*Korte Med. Proefst. Boschwe. Java*

*Institut de Recherches des Forêts Domaniales. Warszawa. Travaux et Comptes Rendus.*  
*Instituts d'Etat des Recherches pour la Production forestière : Département de l'Économie forestière : Recueils de Travaux des Instituts des recherches agronomiques de la République Tchéchoslovaque. Prague. Report.*  
*—Annuaires—*

*Instituto Botânico da Universidade de Coimbra. Coimbra. Publications.*  
*International Congress of Plant Sciences Ithaca, N.Y. Proceedings, 1926*  
*International Congress of Tropical Agriculture. Antwerp. Proceedings, 1930.*  
*International Bulletin of Plant Protection. Rome.*  
*International Review of Agriculture Monthly Bulletin. Rome.*  
*Monthly Bulletin of Agricultural Science and Practice. Rome.*  
*International Forestry Congress, 1913. Touring-Club de France. Paris. Report.*  
*International Institute of Agriculture. Rome. Statistics.*  
*International Reports on Pedology, 1911—1924. Berlin.*  
*International Silvicultural Congress. Paris, 1900. Rome, 1926. Proceedings.*  
*International Society of Soil Science: Conference Proceedings.*  
*2nd Stockholm 1911.*  
*3rd Prague 1924.*  
*4th Rome 1926.*  
*—Congress Proceedings.*  
*1st Washington 1928.*  
*2nd Leningrad, Moscow 1932, 1933.*  
*International Timber and Silvicultural Congress. Paris, 1931. Proceedings.*  
*International Union of Forest Research Organizations Congress. Stockholm 1930, Nancy 1933. Proceedings.*  
*International Yearbook of Agricultural Legislation. Rome.*  
*Department of Agriculture. Dublin Leaflets.*

*Jahrbuch der Monrkunde. Hannover.*  
*West Indies Jamaica Department of Agriculture. Kingston. Reports.*  
*West Indies Jamaica Public Gardens and Plantations. Kingston. Reports.*  
*Jammu and Kashmir Forest Administration. Srinagar. Reports.*  
*Journal of Agricultural Research. (Washington). Washington.*  
*Journal of Agricultural Science. Cambridge.*  
*Journal of Animal Ecology. Cambridge.*  
*Journal of the Arnold Arboretum. Lancaster, Pa.*  
*Journal of the British Wood Preserving Association. London.*  
*Journal of Ecology. London.*  
*Journal of Forestry (American). Washington.*  
*Journal forestier suisse. Berne.*  
*Journal of the Land Agents' Society. London.*  
*Journal of the Ministry of Agriculture. London.*  
*Journal of the New York Botanical Garden. New York.*  
*Journal of the Oxford University Forest Society. Oxford.*  
*Journal of the Rubber Research Institute of Malaya. Kuala Lumpur.*  
*Jodhpur Forest Administration. Raj Marwar. Reports.*  
*Johore, Malaya, Colonial Reports. London.*

*Kelantan, Malaya, Colonial Reports. London.*  
*Kenya Colonial Reports. London.*  
*Kenya Forest Department. Nairobi. Miscellaneous Publications.*  
*—Pamphlets.*  
*—Reports.*  
*Kew Bulletin (Royal Botanic Gardens). London.*  
*Koninklijke Academie van Wetenschappen. Amsterdam. Verhandelingen.*  
*Koninklijke Vereniging Kolonial Instituut. Amsterdam. Bulletins.*  
*—Berichte.*  
*—Mededeelingen.*  
*—Miscellaneous Publications.*  
*Korte Mededelingen van het Proefstation van het Boschwezen. Buitenzorg.*  
*Off-prints from Tectona.*

### LIST OF ABBREVIATED TITLES

Krit. Bl. F. u. Jagdw.	Kritische Blätter für Forst- und Jagdwissenschaft. Leipzig.
Ky Bur. Agr. Rpt.	Kentucky Bureau of Agriculture. Frankfort. Reports.
Ky. For. Serv. Bull	Kentucky Forest Service. Frankfort. Bulletins
Ky. For. Serv. Misc	—Miscellaneous Publications
Land Develop. Surv. Rpt.	Land Development Survey, Tanganyika Territory. Dar es Salaam. Reports.
Landesl. Oldenburg	Landesleits Oldenburg. Oldenburg. Reports.
La. S For. Exp. Stn Rpt.	Louisiana Southern Forest Experiment Station, New Orleans. New Orleans. Reports.
La. So. For. Expt. Stn Occ. Papers	—Occasional Papers.
La. So. For. Expt. Stn Misc	—Miscellaneous Publications
Latvia For. Res. Stn Pubn	Latvia Forest Research Station. Riga. Publications.
Lesnická Práce (Czech.)	Lesnická Práce Praha.
Long Ashton Res. Stn	Long Ashton Research Station Bristol University. Bristol. Reports.
Lumberman (Br. Col.)	Lumberman (British Columbia) Vancouver.
Macaulay Inst. Abdn. Pubn.	Macaulay Institute for Soil Research. Aberdeen. Publications.
Madison F.P.R.L. Cat. of Pubns	Madison Wisconsin Forest Products Laboratory Catalogue of Publications
Madison F.P.R.L. Jnl. Arts.	—Madison Journal Articles
Madison F.P.R.L. Mimeo.	—Mimeographs.
Madison F.P.R.L. Misc. Pubns. and Rpts.	—Miscellaneous Publications and Reprints
Madison F.P.R.L. Pict.	—Pictures.
Madison F.P.R.L. Res. Bull.	—Research Bulletins.
Madison F.P.R.L. Tech. Notes	—Madison Technical Notes
Madras D A Bull.	Madras Department of Agriculture. Madras. Bulletins.
Madras Deptl. of Agr.	—Reports.
Madras For. Bull.	Madras Forest Department. Madras. Bulletins.
Madras For. Dept. Rpt	—Ootacamund. Reports
Mak. Echo	Makiling Echo Laguna, P.I.
Malaya & S. S. Col. Rpt.	Malaya and Straits Settlements Colonial Reports. London.
Malaya & S. S. G. Admin	Malaya and Straits Settlements Forest Administration. Kuala Lumpur. Reports.
Mal. For.	Malayan Forester. Kuala Lumpur.
Mal. For. Rec.	F.M.S. Forest Department. Kuala Lumpur. Malayan Forest Records.
Mal. For. Res. Inst.	Malaya and Straits Settlements Forest Research Institute. Kepong. Reports.
Mal. R. R. Inst. Bull.	Malaya Rubber Research Institute Publications. Kuala Lumpur. Bulletins
Mal. R. R. Inst. Pl. Man.	—Planting Manuals.
Mal. R. R. Inst. Rpt.	—Reports.
Mal. Ser.	Malayan Government. Singapore. Malayan Series.
Mass. For. Ass. Bull	Massachusetts Forestry Association. Boston. Bulletins
Mass. For. Ass. Misc.	—Miscellaneous Publications.
Mass. State Forester Rpt.	Massachusetts State Forester. Amherst. Reports.
Mauritius F. D. Rpt.	Mauritius Forest Department. Curepipe. Reports.
Meckl. Schw. Wirtsch. Ergeb. For.	Mecklenburg-Schwerin Wirtschaftsergebnisse der Forstämter. Schwerin Reports
Meckl.-Strelitz Wirtsch. Ergeb. For.	Mecklenburg-Strelitz Wirtschaftsergebnisse in den Staatsforsten. Neu Strelitz. Reports.
Md. F. D. Pubns.	Maryland Department of Forestry. College Park. Publications.
Med. Dir. Landb.	Verslagen en Mededeelingen van de Directie van den Landbouw. 's Gravenhage. Reports
Medd. Norske Skogforsoksv.	Meddelelser fra det Norske Skogforsoksvæsen. Oslo
Medd. Stat. Skogsf. Sweden	Meddelanden från Statens Skogsforsokanstalt Experimentalstation. Stockholm
Medd. Stat. Skogsf. Sweden Rpt.	—Reprints
Medd. Vestl. forsl. Forsoks.	Meddelelser fra Vestlandets forslige Forsksstation. Bergen.
Med. Phytopath. Lab. Amsterdam	Meddelelser uit het Phytopathologisch Laboratorium "Willie Commelin Scholten." Baarn
Med. Proefst. Boschw. Java.	Meddelelser van het Proefstation voor het Boschwezen. Buitenzorg.
Med. Rijksbosch. Holland.	Meddelelser van het Rijksboschbouwproefstation. Wageningen.
Me. For. Com. Rpt.	Maine Forest Commissioner August. Biennial Reports.
Me. For. Serv. Bull.	Maine Forest Service. Augusta. Bulletins.
Me. For. Serv. Cir	—Circulars.
Me. For. Serv. Misc.	—Miscellaneous Publications.

### LIST OF ABBREVIATED TITLES

*Memoirs Misc. Tanganyika Tselse Res.* Tanganyika Territory Department of Tsetse Research. Shinyanga. Publications.

*Mich. For. Com. Rpt.* Michigan Forest Commission. Ann Arbor. Reports.

*Mich. State Coll. Pubns.* Michigan State College. East Lansing. Publications.

*Mich. Univ. Contribs.* Michigan University. Ann Arbor. Contributions.

*Mich. Univ. For. School Bull.* —School of Forestry and Conservation Bulletin.

*Mich. Univ. Misc.* —Miscellaneous Publications.

*Midl. Reaff. Ass.* Midland Reafforestation Association. Birmingham. Reports.

*Milizia For.* La Milizia forestale. Rome. Reports.

*Min. Agr. Belg.* Ministre de l'Agriculture, including the Jardin Botanique de l'Etat. Bruxelles. Publications.

*Min. Agr. Brasil Bull.* Ministeria da Agricultura. Serviço Florestal do Brasil. Rio de Janeiro. Bulletins.

*Min. Agr. Brasil Misc.* —Miscellaneous Publications.

*Min. Agr. Brasil Serv. Inf. Misc.* —Serviço de Informações. Miscellaneous Publications.

*Min. Agr. Bull.* Ministry of Agriculture and Fisheries. London. Bulletins.

*Min. Agr. Lfl.* —Leaflets.

*Min. Agr. Misc.* —Miscellaneous Publications.

*Min. Agr. Portugal. Est. Expt. Flor. Sobreiro Portugal Pubns.* Ministério da Agricultura Estação de Experimentação Florestal do Sobreiro. Lisboa. Publications.

*Min. Agr. si Dom. Pubns. Roumania* Ministerul Agriculturii și Domeniilor. București. Publications.

*Min. Agr. Stat. Roumania* —Statistica Agricola. Reports.

*Minn. Fire Warden Rpt.* Minnesota Chief Fire Warden. St. Paul. Reports.

*Minn. Lake States For. Expt. Stn. Rpts.* Minnesota Lake States Forest Experiment Station. St. Paul. St. Paul. Reports.

*Minn. Lake States For. Expt. Stn. Tech. Notes* —Technical Notes.

*Minn. Univ. Agr. Expt. Stn. Bull.* Minnesota University Agricultural Experiment Station. St. Paul. Bulletins.

*Minn. Univ. Agr. Expt. Stn. Repr. Misc.* —Reprints and Miscellaneous Publications.

*Minn. Univ. Agr. Expt. Stn. Sp. Bull.* —Special Bulletins.

*Minn. Univ. Agr. Expt. Stn. Tech. Bull.* —Technical Bulletins.

*Mitt. d. D. Forstv.* Mitteilungen des Deutschen Forstvereins. Berlin.

*Mitt. Forstl. Versuchsanst. Tharandt.* Mitteilungen aus der sächsischen forstlichen Versuchsanstalt zu Tharandt. Tharandt.

*Mitt. Forstl. Versuchsw. Oesterr.* Mitteilungen aus dem forstlichen Versuchswesen Oesterreichs. Wien.

*Mitt. Forstwirt.* Mitteilungen aus der Forstwirtschaft und Forstwissenschaft. Hannover.

*Mitt. Forstw. Abt. Tartu Estonia* Mitteilungen der Forstwissenschaftlichen Abteilung der Universität Tartu.

*Mittg. d. Dendr. Ges.* Mitteilungen der Deutschen Dendrologischen Gesellschaft. Bonn Poppelsdorf.

*Mitt. Schr. Centr. forstl. Versuchsw.* Mitteilungen der Schweizerischen Centralanstalt für das forstliche Versuchswesen. Zürich.

*Mitt. Staatsverw. Bayerns* Mitteilung aus der Staatsverwaltung Bayerns. München.

*Mitt. Ver. Forstb. Bayerns* Mitteilungen vom Verein der Hohen Forstbeamten Bayerns E.V. München.

*Monatschr. F. & J.* Monatschrift für Forst- und Jagdwesen. Berlin.

*Mont. N. Region For. Expt. Stn. Rept.* Montana North Region and Northern Rocky Mountains Experiment Station. Missoula. Missoula. Reports.

*Mont. Univ. Pubns.* Montana University. Missoula. Publications.

*Mo. Univ. Agr. Expt. Stn. Res. Bull.* Missouri University Agricultural Experiment Station. Columbia. Research Bulletins.

*Myskol. Unters u. Ber.* Mykologisches Untersuchungen und Berichte. Hannover.

*Mysore For. Admin. Rpt.* Mysore Forest Administration. Bangalore. Reports.

*Nachrichtenbl. f. d. Pflanz.* Nachrichtenblatt für den deutschen Pflanzenschutzdienst. Berlin.

*Natal & Zulul. C. F. Rpt.* Natal and Zululand Conservator of Forests. Pietermaritzburg. Reports.

*Nature* Nature. London.

*Naturw. Zeitschr. L. & F.* Naturwissenschaftliche Zeitschrift für Land- und Forstwissenschaft. Stuttgart.

*N. B. Dept. Lands & Mines Rpt.* New Brunswick Department of Lands and Mines. Fredericton. Reports.

*N. C. Appalachian For. Expt. Stn. Rpt.* North Carolina Appalachian Forest Experiment Station. Asheville. Reports

*Neb. Univ. Agr. Expt. Stn. Bull.* Nebraska University Agricultural Experiment Station. Lincoln. Bulletins.

*Neb. Univ. Bibl. Contrib.* —Bibliographical Contributions.

*Neb. Univ. Stud.* —Studies.

*N. H. For. Com. Rpt.* New Hampshire Forestry Commission. Concord. Reports.

*N. H. Univ. Exten. Bull.* New Hampshire University. Durham. Extension Bulletins.

*Nigeria F. D. Bull.* Nigeria Forestry Department. Lagos. Bulletin.

*Nigeria For. Dept. Rpt.* —Ibadan. Reports.

*N. J. Dept. Plant Path. Rpt.* New Jersey Department of Plant Pathology. New Brunswick. Reports.

### LIST OF ABBREVIATED TITLES

*N. J. Geol. Surv. Rpt.*  
*No. Rhod. Dept. Agr. Rpts.*  
*Northeast. For. Exp. Stn. Tech. Notes*

*Nova Scotia Lands Dept.*  
*N. Region For. Exp. Stn. Rpt.*

*N. Rhod. D. A. Ann. Bull.*

*N. S. Dept. Lands & For. Rpt*  
*N. S. W. Dept. For. or For Com*

*N. S. W. For. Com. or Dept. For.*

*N. S. W. Roy. Soc. Repr.*  
*N. S. W. Tec. Mus. Bull.*  
*N. S. W. Tec. Mus. Misc.*  
*Ntnl. For. Resvn. Comm. Rpt.*

*N. W. F. P. For. Admin. Rpt.*  
*Nyasaland Col. Rpts.*  
*Nyasaland D. A. Bull.*  
*Nyasaland Dept. Agr. Rpts.*  
*Nyasaland Dept. For. Rpts.*  
*N.Y. Bot. Gdn. Brit.*  
*N.Y. Bot. Gdn. Mem.*  
*N.Y. Brooklyn Bot. Gdn. Rpt.*  
*N.Y. Coll. For. Syra. Bull.*  
*N.Y. Coll. For. Syra. Cir.*  
*N.Y. Coll. For. Syra. For. Prot. Conf.*  
*N.Y. Coll. For. Syra. Misc. Pubns.*  
*N.Y. Coll. For. Syra. Tech. Bull.*  
*N.Y. Coll. For. Syra. Wild Life*  
*N.Y. Conserv. Dept. Rpt.*  
*N.Y. Internat. Educ. Brd. Rpt.*  
*N.Z. Cant. Coll. Notes.*  
*N.Z. Cawthron Inst. Bull.*  
*N.Z. Cawthron Inst. Misc.*  
*N.Z. D.I.S.R.*

*N.Z. For. Mag.*  
*N.Z. For. Serv. or Nurseries Plantns.*

*N.Z. For. Serv. Bull.*  
*N.Z. For. Serv. Cir.*  
*N.Z. For. Serv. Lst.*  
*N.Z. For. Serv. Prof. Papers & Misc.*  
*N.Z. Nurseries Plantns. or For. Serv.*

*Oesterr. Viertel.*  
*Ohio Agr. Exp. Stn. Tech. Bull.*  
*Ohio Centr. States For. Exp. Stn. Rpt.*

*Ohio Dept. For. For. News*  
*Okla. For. Com. Pubns.*  
*Oldenburg Landest. Birk.*  
*Oldenburg Landest. Lubeck*  
*Oldenburg Landest. Oldenburg*  
*Ontario F. D. Bull.*  
*Ontario F. D. Misc.*  
*Ontario F. D. Refor. Cir.*  
*Ont. Clerk of For. Rpt.*  
*Ont. Min. Lands & For. Rpt.*  
*Orange R. Col. Dept. Agr. Rpts.*  
*Oregon Brd. For. Bull.*  
*Ore. Region VI & Pacific N.W. For. Exp. Stn. Rpt.*

New Jersey Geological Survey Trenton. Reports  
 Northern Rhodesia Department of Agriculture. Livingstone. Reports  
 Northeastern Forest Experiment Station. Amherst, Massachusetts.  
 Technical Notes.

Nova Scotia Department of Lands. Halifax. Publications.  
 Department of Agriculture (Washington D.C.) Forest Service. North-western Region and Northern Rocky Mountain Forest and Range Experiment Station, Missoula, Montana. Reports.

Northern Rhodesia Department of Agriculture. Mazabuka. Annual Bulletins (including Forestry).

Nova Scotia Department of Lands and Forests. Halifax. Reports.  
 New South Wales Department of Forestry, afterwards Forestry Commission 1919. Sydney. Reports.

New South Wales Forestry Commission 1919, formerly Department of Forestry. Sydney. Reports.

New South Wales Royal Society Journal. Sydney. Reprints.

New South Wales Technical Museum. Sydney. Bulletins.  
 —Miscellaneous Publications.

Department of Agriculture (Washington D.C.) National Forest Reservation Commission. Washington D.C. Reports.

North West Frontier Provinces Forest Administration. Abbottabad. Reports.

Nyasaland Colonial Reports. London.

Nyasaland Department of Agriculture. Zomba. Bulletins.  
 —Reports

Nyasaland Department of Forestry Zomba. Reports.

New York Botanical Garden, New York. Brittonia.  
 —Memoirs.

New York Brooklyn Botanic Garden. Brooklyn. Reports.

New York State College of Forestry Syracuse. New York. Bulletins  
 —Circulars.

—Forest Protection Conference.

—Miscellaneous Publications.

—Technical Bulletins

—Roosevelt Wild Life Annals.

New York Conservation Department. New York. Reports.

New York International Education Board New York. Reports.

New Zealand Canterbury College. Canterbury. Notes.

New Zealand Cawthron Institute Nelson. Bulletins.  
 —Miscellaneous Publications.

New Zealand Department of Scientific and Industrial Research. Wellington. Reports.

New Zealand Forest Magazine. Wellington.

New Zealand State Forest Service, formerly State Nurseries Plantations. Wellington. Reports  
 —Bulletins.

—Circulars.

—Leaflets.

—Professional Papers and Miscellaneous Publications

New Zealand State Nurseries Plantations, afterwards State Forest Service. Wellington. Reports.

Oesterreichische Vierteljahrsschrift fur Forstwesen. Wien

Ohio Agricultural Experiment Station, Wooster. Technical Bulletins

Ohio Central States Forest Experiment Station Columbus. Columbus Reports.

Ohio Department of Forestry Wooster. Forest News Series

Oklahoma Forest Commission. Oklahoma City Publications.

Oldenburg Landestals Birkensfeld. Oldenburg. Reports

Oldenburg Landestals Lubeck. Oldenburg. Reports

Oldenburg Landestals. Oldenburg. Reports

Ontario, Canada Department of Lands and Forests. Ontario. Bulletins.  
 —Miscellaneous Publications.

—Reafforestation Circulars.

Ontario Clerk of Forestry. Toronto Reports

Ontario Minister of Lands and Forests. Toronto Reports.

Orange River Colony Department of Agriculture. Bloemfontein. Reports

Oregon State Board of Forestry. Corvallis. Bulletins.

Oregon Region VI and Pacific N.W. Forest Experiment Station. Portland, Oregon. Reports.

### LIST OF ABBREVIATED TITLES

<i>Oxf. Bot. Mem.</i>	Oxford Botanical Memoirs. Oxford.
<i>Oxf. For. Mem.</i>	Imperial Forestry Institute. Oxford Forestry Memoirs. Oxford.
<i>Ox. Univ. Rpt.</i>	Oxford University. Oxford. Annual Reports.
<i>Pacific Northwest For. Exp. Sta.</i>	Pacific Northwest Experiment Station Portland, Oregon. Portland. Publications.
<i>Palestine D. A. Bull.</i>	Palestine Department of Agriculture and Forests. Jerusalem. Bulletins.
<i>Palestine For. Serv. Rpt.</i>	Palestine Forest Service of the Department of Agriculture and Forests. Jerusalem. Reports.
<i>Palestine Indep. Biol. Lab. Bull.</i>	Palestine Independent Biological Laboratories. Tel-aviv. Bulletins.
<i>Pan-Amer. Union Amer. Nation Ser.</i>	Pan-American Union, Washington (D.C.). American Nation Series.
<i>Pan-Amer. Union Commodities Ser.</i>	—Commodities of Commerce Series.
<i>Pan-Amer. Union Fgn. Trade Ser.</i>	—Foreign Trade Series.
<i>Pan-Amer. Union For.</i>	—Forestry.
<i>Pan-Amer. Union Misc.</i>	—Miscellaneous Publications.
<i>Penn. Allegheny For. Exp. Sta. Rpt.</i>	Pennsylvania Allegheny Forest Experiment Station. Philadelphia. Reports.
<i>Penn. Coll. Agr. Exp. Sta. Bull.</i>	Pennsylvania School of Agriculture and Experiment Station State College. Bulletins.
<i>Penn. Dept. For. Rpt.</i>	Pennsylvania Department of Forestry. Harrisburg. Reports.
<i>Penn. F. D. Bull.</i>	—Bulletins.
<i>Penn. F. D. Res. Bull.</i>	—Research Bulletins.
<i>Penn. F. D. Res. Cir.</i>	—Research Circulars.
<i>Philip. Bur. For. Bull.</i>	Philippines Bureau of Forestry. Manila. Bulletins.
<i>Philip. Bur. Sci.</i>	Philippines Bureau of Science. Manila. Reports.
<i>Philip. Dir. For.</i>	Philippines Director of Forestry. Manila. Reports.
<i>Philip. Jnl. Sci. Repr.</i>	Philippines Journal of Science. Manila. Odd numbers and Reprints.
<i>Phytop.</i>	Phytopathology. Lancaster Pa.
<i>Pilg. Trust</i>	Pilgrim Trust. London. Reports.
<i>Ply. and Tim. World</i>	Plywood and Timber World. London.
<i>Poznan Inst. For. Engng. Pubn.</i>	University of Poznan Institute of Forest Engineering. Poznan. Publications.
<i>Proc. Soc. Am. For.</i>	Proceedings of the Society of American Foresters. Washington, D.C.
<i>Pub. For. Soc. Poland</i>	Publications of the Forest Society, Poland. Warsaw.
<i>Punjab For. Admin. Rpt.</i>	Punjab Forest Administration. Lahore. Reports.
<i>Punjab For. Jnl.</i>	Punjab Forest Department. Lahore. Leaflets.
<i>Quar. Jnl. For.</i>	Quarterly Journal of Forestry. London.
<i>Queensland Dir. For.</i>	Queensland Director of Forests. Brisbane. Reports.
<i>Queensland For. Bull.</i>	Queensland Forest Service. Brisbane. Bulletins.
<i>Queensland For. Serv.</i>	—Reports.
<i>Queensland Prov. For. Brd.</i>	Queensland Provisional Forestry Board. Brisbane. Reports.
<i>Que. For. Indus. Ass. Rpt.</i>	Quebec Forest Industries Association Limited. Quebec. Reports.
<i>Que. Min. Lands &amp; For. Rpt.</i>	Quebec Minister of Lands and Forests. Quebec. Reports.
<i>Que. Protection of For. Rpt.</i>	Quebec Protection of Forests. Quebec. Reports.
<i>Que. Serv. For. Cir.</i>	Quebec Service Forestier. Quebec. Circulaires.
<i>Radcl. Obs.</i>	Radcliffe Observatory. Oxford. Reports.
<i>Reading Agric. Bull.</i>	University of Reading Faculty of Agriculture and Horticulture. Reading. Bulletins.
<i>Rev. Agrol. et Bot. (Kivu)</i>	Revue agricole et botanique du Kivu. Bruxelles.
<i>Rev. Appl. Mycol.</i>	Review of Applied Mycology. London.
<i>Rev. E. &amp; F.</i>	Revue des Eaux et Forêts. Paris.
<i>Rev. int. prod. col.</i>	Revue internationale des produits coloniaux. Paris.
<i>Rev. zool. et bot. afr.</i>	Revue de zoologie et de botanique africaines. Bruxelles.
<i>Revista Padurilor</i>	Revista Padurilor. Bucaresti.
<i>Rijksboschb.</i>	Rijksboschbouwproefstation. Wageningen. Reports.
<i>Roth. Exp. Sta. Misc.</i>	Rothamsted Experimental Station Harpenden, England. Miscellaneous Reprints.
<i>Rpt. Ent.</i>	Department of Agriculture (Washington D.C.) Report of the Entomologist. Washington D.C.
<i>Rpt. Int. Conf. Phytop. &amp; Econ.</i>	Report of the International Conference of Phytopathology and Economic Entomology. Wageningen, 1923.
<i>R. R. Inst. Rpt.</i>	Rubber Research Institute of Malaya Kuala Lumpur. Reports.

### LIST OF ABBREVIATED TITLES

*S. Afr. Bothalia*  
*S. Afr. Bot. Surv. Mem.*  
*S. Afr. F. D. Bull.*  
*S. Afr. F. D. Repr.*  
*S. Afr. Jnl. Indus.*  
*Saghahien Centr. Exp. Stn. Rpts.*  
*Saghahien Exp. Stn.*  
*Sammli. Forstw. Schr. Latvia*  
*Sarawak For. Dept.*  
*S. Austral. F. D. Bull.*  
*S. Austral. Govt. Plantins.*  
*S. Austral. Woods & For.*  
*S. C. Clemson Agr. Coll. Bull.*  
*S. C. Clemson Agr. Coll. Cir.*  
*Schweiz. Zeitschr. Forstw.*  
*Sci. Amer.*  
*Sci. For. Jnl.*  
*S. d'sche F. & J. Ztg.*  
*Secy Interior*  
*Seychelles Col. Rpts.*  
*Seychelles Dept. Agr. Rpt.*  
*Sierra Leone For. Dept. Rpt.*  
*Silva*  
*Silva Fenn.*  
*So. Afr. For. Dept. Rpts.*  
  
*So. Afr. Ntnl. Bot. Gdns. Rpts.*  
  
*Soc. & Ind. Rev.*  
*So. Dak. Coll. Agr. Bull.*  
*Soil Research*  
  
*Soil Sci.*  
*Solomon Is. Col. Rpt.*  
*So. Rhod. Dept. Agr. Rpts.*  
*S. Rhod. F. S. Bull.*  
*Stat. For. Lett.*  
*Stat. Skogsforsoks. Lfl.*  
  
*Stat. Skogsforsoks. Misc.*  
*Stat. Skogsforsoks. Skogl.*  
*Stat. Skokf. Swedan Excursionsledare*  
*St. Kitts Agr. Dept.*  
  
*Straits Sett. Col. Rpt.*  
*Straits Sett. Gdns. Bull.*  
*Sudan Centr. Econ. Brd. Rpts.*  
*Sudan Consular Rpts.*  
*Sudan For. Dept. Rpts.*  
*Sudan Rep. Jnl. Agric. Sci.*  
*Sudan Wellcome Res. Lab.*  
*Sudan Wellcome Res. Lab. Rpts.*  
*Sunyatsenia, China*  
  
*Sven. Sk. Tids.*  
*Swaziland Col. Rpt.*  
*Sylva (Edinburgh Forest Society)*

Bothalia, Pretoria. Contributions from the National Herbarium.  
 South Africa Botanical Survey. Pretoria. Memoirs.  
 South Africa Forest Department. Pretoria. Bulletins.  
 —Various Reprints.  
 South African Journal of Industries. Pretoria.  
 Saghahien Central Experiment Station Reports. Konuma. Saghahien.  
 —Department of Forestry. Konuma. Reports.  
 Sammlung forstwirtschaftlicher Schriften Latvian. Riga. Publications.  
 Sarawak Forest Department. Kuching. Reports.  
 South Australia Woods and Forests Department. Adelaide. Bulletins.  
 South Australia Government Plantations. Adelaide. Reports.  
 South Australia Woods and Forests. Adelaide. Reports.  
 South Carolina Clemson Agricultural College. Clemson College. Bulletins.  
 —Circus.  
 Schweizerische Zeitschrift für Forstwesen. Bern.  
 Scientific American. New York.  
 Scottish Forestry Journal. Edinburgh.  
 Sudetendeutsche Forst- und Jagdzeitung. Teplitz-Schonau.  
 Philippines Secretary of the Interior. Manila. Reports.  
 Seychelles Colonial Reports. London.  
 Seychelles Department of Agriculture. Victoria. Reports.  
 Sierra Leone Lands and Forest Department. Freetown. Reports.  
 Forstliche Wochenschrift Silva. Tübingen.  
 Silva Fennica. Helsinki.  
 Cape of Good Hope, later Union of South Africa Forest Department. Cape Town. Reports.  
 South Africa National Botanic Gardens. Kirstenbosch. Newlands. Cape Reports.  
 Social and Industrial Review (English and Afrikans). Pretoria.  
 South Dakota State College of Agriculture. Brookings. Bulletins.  
 Soil Research Berlin Supplements to the Proceedings of the International Society of Soil Science.  
 Soil Science. New Brunswick.  
 British Solomon Islands Colonial Reports. London.  
 Southern Rhodesia Department of Agriculture. Salisbury. Reports.  
 Southern Rhodesia Forest Service. Salisbury. Bulletins.  
 Statistique forestière de la Lettonie. Riga. Reports.  
 Statens Skogsforsoksanstalt Experimentalstation. Stockholm  
 Leaflets (Flygblad)  
 —Miscellaneous Publications  
 —Skogliga Ron.  
 Statens Skogsforsoksanstaltens Exkursionsledare. Stockholm.  
 West Indies St. Kitts-Nevis Agricultural Department. St. Kitts, B.W.I. Reports.  
 Straits Settlements Colonial Reports. London.  
 Straits Settlements Singapore. Gardens' Bulletins.  
 Sudan Central Economic Board. Khartoum. Reports.  
 Sudan Consular Reports on Finance and Administration. London.  
 Sudan Woods and Forests Department. Khartoum. Reports.  
 Sudan Journal of Agricultural Science. Reprints.  
 Sudan Wellcome Research Laboratory. Khartoum. Publications.  
 —Reports.  
 Sunyatsenia. Sun Yat-sen University of Canton. Sunyatsenia. Journal of the Botanical Institute.  
 Svenska Skogsårdsföreningens Tidskrift. Stockholm.  
 Swaziland Colonial Reports. London.  
 Sylva (Edinburgh Forest Society). Edinburgh.

*Taihoku Imp. Univ., Formosa.*  
*Contrib. Herb.*  
*Taihoku Imp. Univ., Formosa, Mem.*  
*Tanganyika Amani Mem.*  
  
*Tanganyika Amani Misc.*  
*Tanganyika Geol. Surv. Dept. Rpt.*  
*Tang. Geol. Surv. Bull.*  
*Tang. Geol. Surv. Papers.*

Taihoku Imperial University. Formosa. Contributions from the Herbarium  
 —Faculty of Science and Agriculture, Formosa. Memoirs  
 Tanganyika Territory. Amani Research Station. Amani Publications :  
 Reprints from Memoirs.  
 —Miscellaneous Publications.  
 Tanganyika Territory Geological Survey Department. Dodoma. Reports.  
 —Bulletins  
 —Short Papers

## LIST OF ABBREVIATED TITLES

<i>Tang. Col. Rpt.</i>	<i>Tanganyika Territory Colonial Reports.</i> London.
<i>Tang. For. Dept. Pubns.</i>	<i>Tanganyika Territory Forest Department.</i> Lushoto. Publications.
<i>Tang. Land Develop. Surv. Rpt.</i>	<i>Tanganyika Territory Land Development Survey.</i> Dar es Salaam. Reports.
<i>Tang. Tsetse Res. Rpts.</i>	<i>Tanganyika Territory Tsetse Research.</i> Shinyanga. Reports.
<i>Tasmania For. Dept.</i>	<i>Tasmania Forestry Department.</i> Hobart. Reports.
<i>Tectona</i>	<i>Tectona.</i> Buitenzorg.
<i>Te Kura Nga.</i>	<i>Te Kura Ngahere (New Zealand).</i> Wellington.
<i>Thar. For. Jahrb.</i>	<i>Tharandt forstliches Jahrbuch.</i> Berlin.
<i>Tenn. For. Div. Bull.</i>	<i>Tennessee State and Division of Forestry Publications.</i> Nashville. Bulletins.
<i>Tenn. For. Div. Cir.</i>	—Circulars
<i>Texas Agr. Exp. Stn. Bull.</i>	<i>Texas Agricultural Experiment Station.</i> College Station, Braxos County. Bulletins.
<i>Tharandt For. Hochsch. Pubns.</i>	<i>Forstliche Hochschule zu Tharandt.</i> Tharandt. Publications.
<i>Thunderstorms Surv. Brit. Isles</i>	<i>A Survey of Thunderstorms in the British Isles.</i> Huddersfield. Reports.
<i>Thuringen Ausscheid. Forstv.</i>	<i>Land Thuringen Ausscheidung der Einnahme- und Ausgabettitel der Forstverwaltung.</i> Weimar. Reports.
<i>Thuringen Einnahme. Forst.</i>	<i>Land Thuringen Uebersicht über die Einnahmen und Ausgaben den Staatsforsten.</i> Weimar. Reports.
<i>Thuringen Forstbetr.</i>	<i>Land Thuringen Ausgaben für den Forstbetrieb.</i> Weimar. Reports.
<i>Thuringen Holzeertrag.</i>	<i>Land Thuringen Uebersicht des Holzmassenrtrages der Staatsforsten.</i> Weimar. Reports.
<i>Thuringen Personl. Ausg.</i>	<i>Land Thuringen Personliche und sachliche Ausgaben.</i> Weimar. Reports.
<i>Timberman (U.S.A.)</i>	<i>Timberman (U.S.A.).</i> Portland, Ore.
<i>Tim. Growers' Quar. Rev.</i>	<i>Timber Growers' Quarterly Review.</i> Auckland, N.Z.
<i>Tim. News</i>	<i>Timber News and Sawmill Engineer and Machine Wood-worker.</i> London.
<i>Togoland Col. Rpts.</i>	<i>Togoland Colonial Reports.</i> London.
<i>Toulouse Trav. Lab. For.</i>	<i>Travaux du Laboratoire Forestier de Toulouse.</i> Bulletins.
<i>Trans. Com. Int. Soc. Soil Sci.</i>	<i>Transactions of the Commissions of the International Society of Soil Science.</i> and Commission Groningen, 1926, 1927. 2nd " Budapest, 1929. 6th " Groningen, 1932, 1933.
<i>Trans. Eng. Arb. Soc.</i>	<i>Transactions of the English Arboricultural Society.</i> Newcastle.
<i>Trans. Scot. Arb. Soc.</i>	<i>Transactions of the Royal Scottish Arboricultural Society.</i> Edinburgh.
<i>Transvaal Meteor. Dept. Rpts.</i>	<i>Transvaal Meteorological Department.</i> Johannesburg. Reports.
<i>Tree Lover</i>	<i>Tree Lover.</i> London.
<i>Trinidad &amp; T. Admin. Rpt.</i>	<i>Trinidad and Tobago Forest Administration.</i> Port-of-Spain. Reports.
<i>Trinidad F.D. Jnl.</i>	<i>Trinidad and Tobago Forest Department.</i> Port-of-Spain. Leaflets. —Miscellaneous Publications.
<i>Trinidad F.D. Misc.</i>	<i>Trinidad and Tobago Imperial College of Tropical Agriculture</i> St. Augustine. Memoirs.
<i>Trinidad Imp. Coll. Mem.</i>	<i>Tropical Agriculture.</i> Trinidad.
<i>Trop. Agric.</i>	<i>Tropical Life.</i> London.
<i>Trop. Life</i>	<i>Tanganyika Territory Tsetse Research.</i> Shinyanga. Reports.
<i>Tsetse Res. Rpts.</i>	<i>Timber Trades Journal.</i> London.
<i>T.T. Jnl.</i>	
<i>Uganda F.D. Bull.</i>	<i>Uganda Forest Department.</i> Entebbe. Bulletins.
<i>Uganda F.D. Rept.</i>	—Reports.
<i>Uganda Geol. Dept. Rpt.</i>	<i>Uganda Geological Department.</i> Entebbe. Reports.
<i>U.P. For. Admin. Rpt.</i>	<i>United Provinces Forest Administration.</i> Lucknow. Reports.
<i>U.P. (Ind.) F.D. Pubn.</i>	<i>United Provinces Forest Department.</i> Allahabad. Bulletins.
<i>Va. For. Serv.</i>	<i>Virginia Forest Service.</i> University. Publications.
<i>Va. Polyt. Inst.</i>	—Polytechnic Institute. Blacksburg. Publications.
<i>Vereinschdr. F.-u. Naturk.</i>	<i>Vereinschdrift für Forst-, Jagd- und Naturkunde.</i> Praha.
<i>Victoria For. Com.</i>	<i>Victoria Forests Commission.</i> Melbourne. Reports.
<i>Vict. For. Com. Bull.</i>	—Bulletins.
<i>Vict. For. Com. Pubn.</i>	—Publications.
<i>Vi. Agr. Exp. Stn. Bull.</i>	<i>Vermont Agricultural Experiment Station.</i> Burlington. Bulletins.
<i>Warsaw Ecol. Cent. Agron. Rech. For.</i>	<i>Warsaw Ecole Centrale Agronomique.</i> Warszawa. Recherches Forestières.
<i>Wash. State Agr. Exp. Stn. Bull.</i>	<i>Washington (State) State College Agricultural Experiment Station.</i> Pullman. Bulletins.
<i>W. Austral. F.D. Bull.</i>	<i>Western Australia Forests Department.</i> Perth. Bulletins.
<i>W. Austral For. Dept. or</i>	<i>Western Australia Forests Department, formerly Woods and Forests</i>
<i>Woods &amp; For. Dept.</i>	<i>Department.</i> Perth. Reports.

LIST OF ABBREVIATED TITLES

<i>W. Austral. Woods &amp; For. Dept.</i> <i>or For. Dept.</i>	Western Australia Woods and Forests Departments, afterwards Forests Department Perth. Reports.
<i>West Indies Col. Rpt.</i>	West Indies Colonial Reports: Barbadoes, Bahamas, Trinidad and Tobago, St. Lucia, Jamaica, Cayman Islands, Grenada, Bermuda. London. Reports.
<i>Wien. F. &amp; J. Ztg.</i>	Wiener allgemeine Forst-und Jagd-Zeitung. Wien.
<i>Wis. Univ. Agr. Exp. Stn. Bull.</i>	Wisconsin University Agricultural Experiment Station. Madison. Bulletins
<i>Wis. Univ. Agr. Exp. Stn. Cir.</i>	—Circulars.
<i>Wis. Univ. Agr. Exp. Stn. Res. Bull.</i>	—Research Bulletins.
<i>Wis. Univ. Agr. Exp. Stn. Sp. Cir.</i>	—Special Circulars.
<i>Wis. Univ. Misc.</i>	Wisconsin University. Miscellaneous Publications.
<i>Wkgl. Pl. &amp; Silv. Burma</i>	Burma Working Plans and Silviculture. Rangoon. Reports.
<i>Württ. Forst. Mitt.</i>	Württemburg Forststatistische Mitteilungen. Stuttgart. Reports.
<i>W. Va. Agr. Exp. Stn. Bull.</i>	West Virginia Agricultural Experiment Station. Morgantown. Bulletins.
<i>W. Va. Agr. Exp. Stn. Cir.</i>	—Circulars.
<i>W. Va. Agr. Exp. Stn. Misc.</i>	—Miscellaneous Publications
<i>Yale For. Sch. Bull.</i>	Yale University Forest School. New Haven. Bulletins
<i>Yale For. Sch. Misc.</i>	—Miscellaneous Publications
<i>Yale Lumber Ind. Ser.</i>	Yale University. New Haven Lumber Industry Series.
<i>Yale Ntnl. Shade Tree Conf.</i>	Yale National Shade Tree Conferences. Va. Pl. Proceedings.
<i>Yale Trop. Woods</i>	Yale University. New Haven Tropical Woods Series.
<i>Zanzibar Agr. Dept. Rpt.</i>	Zanzibar Agricultural Department. Zanzibar. Reports.
<i>Zeitschr. F. &amp; J.</i>	Zeitschrift für Forst- und Jagdwesen. Berlin.
<i>Zeitschr. f. angew. Entom.</i>	Zeitschrift für angewandte Entomologie. Berlin.
<i>Zeitschr. F. u. Jagdw. in Bayern</i>	Zeitschrift für das Forst- und Jagdwesen in Bayern. Erfurt.
<i>Zeitschr. f. Weltforst.</i>	Zeitschrift für Weltforstwirtschaft. Neudamm.

## SUBJECT CLASSIFICATION.

The subject classification which forms the basis of the Bibliography is as follows :

*Index Numbers of  
decimal Classification  
(see Preface)*

<p><b>A. GENERAL FORESTRY.</b> † Material covering several branches, or not otherwise classified.</p> <p><b>B. SILVICULTURE.</b></p> <ol style="list-style-type: none"> <li>1. <i>General.</i> Ecological principles of forest types. 11</li> <li>Relations of forest and locality. 11.4</li> <li>Development of trees and crops. 12.11 and 12.15</li> <li>Character and composition of woods. 21 and 22</li> <li>Choice of species. 23.21/22;12.19;12.15;12.11.3</li> <li>2. <i>Seed and Seedlings.</i> Including germination and early development of seedlings. 23.23</li> <li>3. <i>Natural Reproduction.</i> Including coppicing and pollarding. 23.1 and 22.2</li> <li>4. <i>Artificial Reproduction.</i> 23.2             <ul style="list-style-type: none"> <li>Afforestation other than special protective works classed under Forest Protection. 23.3</li> <li>Layering, grafting, and other artificial propagation. 23.25</li> </ul> </li> <li>5. <i>Tending, including thinnings.</i> 24</li> <li>6. <i>Silvicultural Systems and methods of treatment.</i> 22</li> <li>7. <i>Notes on Trees</i> (where several species are included : otherwise classed under specific). 12.2</li> </ol> <p><b>C. FOREST PROTECTION.</b> 4</p> <ol style="list-style-type: none"> <li>1. <i>Man.</i> Demarcation, offences. 46;92</li> <li>2. <i>Animals</i>, including bird and game preservation. 45;31.43;13.2;34.45</li> <li>3. <i>Atmospheric Influences.</i> Frost, insolation, wind, hail, snow, etc. 42;11.1;11.2</li> <li>4. <i>Fire.</i> 43</li> </ol>	
---	--

---

† Further divided into geographical sub-heads as follows :

- a.* General.
- b.* British Isles.
- c.* Europe (excluding British Isles).
- d.* Asia (excluding India).
- e.* India (including Burma).
- f.* Africa.
- g.* North America (south to Mexico and Bermuda).
- h.* Central America and West Indies.
- i.* South America.
- j.* Oceania.
- k.* British Empire—general.
- l.* French Colonies.

FOREST BIBLIOGRAPHY TO 1933. PART I

5. <i>Weeds</i> , including phanerogamous parasites, climbers, etc. (special, not included under Tending).	44.1;12.2;31.42;23.26.7
6. <i>Other Agencies</i> : Floods.	42.31 and 11.14
Swamps.	23.33
Shifting sands.	42.4
Avalanches.	11.14.46
Landslips.	42.34
Reclamation works.	23.32
Including protective afforestation.	96
Drainage.	38.62
Damage by chemical fumes.	42.5
Shelter belts, shade trees, etc.	24.4
7. <i>Fencing</i> , including hedges.	23.62 and 23.63
<b>D. FOREST UTILIZATION.</b>	<b>3</b>
1. <i>Wood Properties and Technology</i> :	31
(i) Identification.†	31.14
(ii) Structure.	31
(iii) Mechanical properties.†	31.2
(iv) Physical properties.†	31.2
(v) Miscellaneous.	31
2. <i>Felling, Extraction and Transport</i> .	32;37
3. <i>Seasoning and Storage of Wood</i> , including kiln drying and depôts.	33
4. <i>Conversion of Timber</i> , including sawmills and wood-working machinery.	32
5. <i>Wood Uses and Industries</i> .†	33
6. <i>Treatment of Wood</i> , including antiseptic treatment, treatment against inflammability, softening, staining.	33.3
7. <i>Distillation of wood</i> .	33.37
Charcoal manufacture.	33.38
8. <i>Cellulose</i> .	33.32
9. <i>Minor Products</i> :	34.1 to 34.5
(i) Grass and Grazing.	34.21
(ii) Tans and Dyes.	34.24;34.26
(iii) Fibres and Flosses.	34.27
(iv) Oilseeds.	34.26;34.27
(v) Distillation Products.	33.37
(vi) Gums, Resins and Oleoresins.	34.26
(vii) Caoutchouc, Guttapercha, Balata and other Latexes.	34.26
(viii) Drugs, Spices and Narcotics.	34.25
(ix) Animal Products.	34.3
(x) Miscellaneous.	34.0
10. <i>Grading and Marketing</i> .	35
11. <i>General</i> , including Exhibits.	30

SUBJECT CLASSIFICATION

<b>E. FOREST MENSURATION.</b>	
1. <i>Timber.</i> Including stacked material, converted material, bark, specific gravity.	52;53
2. <i>Trees.</i>	
Form-factors.	52.43.31
Stem analysis, ring-counting, increment of single trees.	56.1
Instruments.	07.7;52
3. <i>Crops.</i> Including methods of laying out and measuring sample plots, increment of whole woods.	52.43;56.2
4. <i>Mensuration tables</i> , including yield tables.	52.43.32;57.9
5. <i>Reconnaissance surveys</i> , stock-mapping, enumeration.	61
<b>F. FOREST VALUATION AND FINANCE.</b>	6 and 7
1. <i>Cost of Operations</i> , including extraction and utilization.	71;35
2. <i>Prices of Timber</i> : standing, felled and sawn.	35.9
3. <i>Economic theory and estimates of profit.</i>	71;72;73;35
4. <i>Miscellaneous.</i>	70
<b>G. FOREST MANAGEMENT.</b>	6
Rotation.	63.2;63.3;63.5;67.1
Age-classes.	65.1
Increment.	56
Normal growing stock.	65.6
Yield regulation.	52;56;57
Preparation of working plans.	67
<b>H. FOREST POLICY AND ECONOMICS.</b>	
Forest Policy.	9
Forest Economics.	7
1. <i>General.</i> † Including economic questions generally, history, policy.	90
2. <i>Forest Utility and Influences.</i> Direct (timber and other products), and indirect (climatic, protective, etc.).	91
3. <i>Forest Resources.</i> † Including areas and trade statistics and requirements, timber trade reviews.	94;98;76;09.43
4. <i>Administration.</i> Including administrative units, staff, labour organization.	81;82;86
5. <i>Legislation.</i> † Including rating, taxation, railway rates, duties.	92;95;98;99
<b>I. METEOROLOGY.</b> General information.	11.1;11.2;11.3
<b>J. GEOLOGY AND SOIL.</b> † Including palaeontology of forest interest.	11.4;09.2
<b>K. EDUCATION AND RESEARCH.</b> † Including publicity.	07;04
<b>L. TERMINOLOGY AND CLASSIFICATION OF INFORMATION.</b>	01.2;01.3
	..

FOREST BIBLIOGRAPHY TO 1933 : PART 1

<b>M. ENGINEERING AND SURVEYING.</b>	<b>38</b>
1. <i>Engineering Materials.</i>	38.1
2. <i>Building Construction.</i>	38.2
3. <i>Bridges and Culverts.</i>	38.5
4. <i>Forest Roads.</i>	38.3
5. <i>Railways and Tramways.</i>	37.1;38.4
6. <i>Timber Slides and Ropeways.</i>	38.4
7. <i>Wells, Dams and Water-Supply.</i>	38.62
8. <i>Miscellaneous Engineering Appliances and Works.</i>	—
9. <i>Surveying.</i>	61
<b>N. BOTANY.</b>	<b>12</b>
1. <i>Systematic.†</i>	12.2
2. <i>Pathology and Mycology.</i>	12.12;12.21;44
(a) Diseases by species of host.	47;44;31.42;12.2
(b) Diseases by species of fungi.	44.3
(c) Physiology.	12.11
(d) Classification.	12.0
(e) General, including control measures.	12.12
3. <i>Physiology, Morphology, and Plant Chemistry.</i>	12.11;12.14;11.42;11.47
4. <i>Heredity and Evolution.</i>	12.11.3
5. <i>Ecology (other than Forest Ecology—B1) and Miscellaneous.</i>	12.1;11.46
<b>O. INVERTEBRATE ZOOLOGY.</b>	<b>13.21</b>
1. <i>Morphology and Biology.</i>	13.14;13.11
2. <i>Systematic.</i>	13.2
3. <i>Economic, by genera and species.</i>	13.16
(a) Host plants.	
(b) Animals.	
4. <i>General, including control measures.</i>	13.12;13.0
<b>P. BIOGRAPHY.</b>	<b>09.3</b>

# Forest Bibliography to 31st December, 1933.

## PART I.

### A. GENERAL FORESTRY :

#### a. General.

PERIODICALS	VOL.	PAGL	BRIEF PARTICULARS
1862 Vereinsschr. F.-J. u. Naturk.	42	33—53	General forestry note. <i>Waldmann.</i>
1868 Vereinsschr. F.-J. u. Naturk.	63	56—74	General forestry notes. <i>Bund.</i>
1877 Vereinsschr. F.-J. u. Naturk.	98	64—77	Influence of forests on civilization. <i>Seidl.</i>
1885 Ind. For.	11	38—41	The early history of forestry.
1887 Forstw. Centralbl.	31	329—354	Aesthetic significance of forests.
1888 Allg. F. & J. Ztg.	64	57—58	General tasks of silviculture. <i>Lorey.</i> Abs.
"	64	205—208	Notes on science of forestry. <i>Lorey.</i> Abs.
"	64	417—418	General observations on world forestry. <i>Tubercul.</i>
1889 Allg. F. & J. Ztg.	65	347	Tropical and N. American silviculture and science of timber. <i>Semler.</i> Abs.
		Suppl.	
1893 "	65	49—67	General forestry publications. Abs.
Forstl. Naturw. Zeit.	2	426—432	The relations between technical sciences and natural sciences. <i>Wappes.</i>
1895 Ind. For.	21	203—209	Conditions of forestry as a business. <i>Beale.</i>
1896 Forstw. Centralbl.	40	229—246	Special position of forest in national economic life. <i>Baur.</i>
1897 Allg. F. & J. Ztg. Trans. Eng. Arb. Soc.	73	430—431	Discussion on value of mathematics for forestry. <i>Wimmenauer.</i>
	3	363—375	Notes on general forestry. <i>Bewick.</i>
1898 Allg. F. & J. Ztg.	74	192—197	Importance of mathematics for silvicultural study and instruction. <i>Martin.</i>
1911 Ind. For.	37	316—329	General principles of forestry. <i>Marsden.</i>
1921 Can. For. Mag.	17 (1)	269—271	The worship of trees. <i>Howe.</i>
1928 Quar. Jnl. For. Ames Forester	23	35	Forestry in relation to geography. <i>Dallimore.</i>
	17	32—42	Suggestions for forestry photography. <i>Haasis.</i>
1930 (Am.) Jnl. For. Tim. Growers' Quar. Rev.	28	595—617	Origin and propagation of forestry ideas. <i>Tkatchenko.</i>
	No. 2	19—21	Forests in the history of man and civilization. <i>Horton.</i>
1931 Thar. For. Jahrb.	82	1—35	Aims and methods in world forestry. <i>Heske.</i>
1932 Tectona	25	597—617	Notes on the value and significance of virgin forests. <i>Schnepper.</i>
1933 Silva	21	13—14	Meeting of specialist committee concerning timber problems. <i>Trendelenburg.</i>
Rev. E. & F.	71	699—705	Man and forests: anthropological view. <i>Chauday.</i>

FOREST BIBLIOGRAPHY TO 1933 : PART I

OTHER PUBLICATIONS	NO.	SHILL MARK	BRIEF PARTICULARS
1891 <i>D.A. For. Serv. Bull.</i>	5	BNA	What is forestry? <i>Fernow.</i>
1901 <i>Govt. Rpt. on Forestry in Victoria and other countries</i>		RS/Austral.	Forestry throughout the world. Pp. 1-49 /Gen.
1924 <i>Pamph. Festschrift Forst. Acad. Hamm. Munden.</i>	SS		Various subjects (cross-referenced under different heads).
1932 <i>Int. Un. For. Res. Organiz. Procs. Nancy.</i>	BNI		The importance of natural parks in silviculture. <i>Sakolowsky</i> Pp. 210-219.

b. *British Isles.*

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1923 <i>Jnl. O. U. F. S.</i>	4	4-15	Importance of practical forestry. <i>Corbett.</i>
1924 <i>Jnl. O. U. F. S.</i>	5	11-12	Some difficulties of estate forestry. <i>Stafford.</i>
OTHER PUBLICATIONS	NO.	SHILL MARK	BRIEF PARTICULARS
1889 <i>Repr. (Letters to " Field ").</i>	SS		Forestry in the British Islands. <i>Campbell Walker.</i>
1899 <i>Econ. Proc. Royal Dublin Soc.</i> 1. 2	SS		Lecture on forestry. <i>Fisher.</i>
1912 <i>Trans. For. &amp; Gard. Soc. Argyll</i>	SS		Various (cross-referenced under different heads).

c. *Europe (excluding British Isles).*

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1847 <i>Thar. For. Jahrb.</i>	4	53-102	The present condition of silviculture in Germany.
1876 <i>Zeitschr. F. &amp; J.</i>	8	229-243	Notes on forest aesthetics. <i>von Salisch.</i>
1879 <i>Vereinsschr. F.-J. u. Naturk.</i>	108	23-154	Notes on general forestry in Bohemia.
1881 <i>Zeitschr. F. &amp; J.</i>	13	121-138	Notes on forest aesthetics in Germany. <i>von Salisch.</i>
1885 <i>Forstw. Centralbl</i>	29	601-621	Discussions on problems of silviculture in Germany. <i>Wagener.</i>
1889 <i>Allg. F. &amp; J. Ztg.</i>	65	93-96	Yearly report on the progress of German forestry. <i>Abs.</i>
1890 <i>Vereinsschr. F.-J. u. Naturk.</i>	159	3-230	General forestry of Pisek, Bohemia.
"	163	48-65	Notes on general forestry in Bohemia.
1891 <i>Vereinsschr. F.-J. u. Naturk.</i>	165	5-89	Notes on general forestry of Worlitz forest, Germany, with map. <i>Bohdanecky.</i>
1892 <i>Zeitschr. F. &amp; J.</i>	24	561-580	Connection between beauty and utility in German forests. <i>von Salisch.</i>
<i>Vereinsschr. F.-J. u. Naturk.</i>	171	3-121	General notes on forestry of Rotymital, Bohemia. <i>Haschke.</i>
1893 <i>Vereinsschr. F.-J. u. Naturk.</i>	177	3-75	General forestry of Horowitz domain, Bohemia.
1894 <i>Vereinsschr. F.-J. u. Naturk.</i>	188	35-49	General forestry of Isles of Veglio and Cherso, Fiume, Italy. <i>Rektorys.</i>

## GENERAL FORESTRY—EUROPE

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1895 Zeitschr. F. & J.	27	395—406	Notes on the aesthetic in the cultivation of parks and woods. <i>Krafft.</i>
Vereinsschr. F.-J. u. Naturk.	190	21—73	General forestry of Neuhaus forests, Bohemia. <i>Wartel.</i>
1896 Bull. S. F. Belgique	3	630—693	On silviculture in general in Belgium. <i>Caveye.</i>
1900 Forstw. Centralbl.	44	1—9	The Regensburg forests. <i>Gayer.</i>
1905 Naturw. Zeitschr. L. & F.	3	369—384	Protection of natural memorials etc. in Bavaria. <i>Eigner.</i>
1909 Centralbl. f. d. g. Forstw. " "	35	60—69	The primeval forests of Europe. <i>Cieslar.</i>
	35	289—299	Relations between forest management and silviculture. <i>Hufnagl.</i>
1914 (Am.) For. Quar.	12	567—577	Notes on forestry in Russia.
1918 Allg. F. & J. Ztg. Vereinsschr. F.-J. u. Naturk.	94	1	Forest conditions in Lithuania. (Illus.) <i>Weber.</i> 21 pp.
	404	339—347	Importance of forestry in Bohemia. <i>Schmid.</i>
1919 Zeitschr. F. & J.	51	675—683	Origin and disappearance of Luneburger heath. <i>Fromblung.</i> (Eng. abs. in Bot. Abs., XI, 1922, No. 179.)
1921 Wien F. & J. Ztg.	39	265	Management of spruce forests in Erz Mountains. <i>Loffelman.</i> 8 pp.
Mitg. D. Dendr. Ges.	31	249—271	Mythology of the hazel ( <i>Corylus avellana</i> ). <i>Kronfeld.</i>
1922 (Am.) Jnl. For. Internat. Rev. Agric.	20	770—775 522—526	Forestry in Germany since 1914. <i>Schenck.</i> Review of forestry in Norway. Abstract of official publication.
1924 Zeitschr. F. & J.	56	15	Employment of historical methods of forest management in Germany. <i>Martin.</i> 82 pp.
1926 (Am.) Jnl. For. Mitg. D. Dendr. Ges.	24	764—784 48—71	Forestry in Sweden, 1925. <i>Graham.</i> Forests and forestry in Finland. <i>Schenck et al.</i>
1927 Nature Thar. For. Jahrb.	119	154	Origin of European forests. <i>Podpéra.</i>
" " "	78	1	Changes in forests of Eastern Erzgebirge during the past century. <i>Siegel.</i> 57 pp.
" " "	78	161	Forestry in Soviet Russia. <i>Jeutsch.</i>
Centralbl. f. d. g. Forstw.	78	193	Forestry in Soviet Russia. 46 pp.
Allg. F. & J. Ztg.	53	87—91	Modern development of forestry technique. <i>Zubovic.</i>
" "	103	404—476	Forestry in the Vogelbergs, Germany. <i>Baader.</i>
	103	476—491	Development of utilization and timber trade in Württemberg. <i>Wiltz.</i>
Schweiz. Zeitschr. Forstw.	78	126—128	Forestry in Latvia. <i>Knichel.</i>
" " "	78	161—165	Forestry in Estonia. <i>Knichel.</i>
Wien. F. & J. Ztg. "	78	229	Sketch of forestry in Finland. <i>Grossmann.</i> 25 pp.
" " "	45	63—65	Polish forests and forestry. <i>Flatscher.</i>
Forstw. Centralbl.	45	303—305	Forestry notes on Eastern Europe. <i>Cieslar.</i>
" " "	71	49—63	Danish forestry. <i>Tanselov.</i>
	71	89—96	Problem of forestry in Bulgaria. <i>Sageroff.</i>
1928 Thar For. Jahrb. Forstw. Centralbl.	79	225—241	Review of State forests of Saxony for past century. <i>Martin.</i>
	72	149	Bulgarian forests and forestry. <i>Muller.</i> 30 pp.
1929 Nature	123	771	Forestry congress at Stockholm.
Allg. F. & J. Ztg.	105	260	Forests and forest policy of East Poland. <i>Weiger.</i> 13 pp
" " "	105	361—372	Forestry in Württemberg. <i>Kohler.</i>
Schweiz. Zeitschr. Forstw.	80	133—138	Forestry in Lithuania. <i>Paulius.</i>
" " "	80	361—369	Forestry in Austria. <i>Müller.</i>
Forstw. Centralbl.	73	544—563	Forests and forestry in Russia. <i>Tkatschenko.</i>
" " "	73	633—636	Forestry in Hungary. <i>Reinhold.</i>
L'Alpe	16 (2)	58—75	Arboriculture and arboreta. <i>Pavari.</i>
	16 (4)	157—167	Arboriculture and arboreta. <i>Pavari.</i>

FOREST BIBLIOGRAPHY TO 1933: PART 1

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1930			
<i>Tids. Skog.</i>	38	349-357	Forestry in Denmark. <i>Trosten</i> .
<i>Thar. For. Jahrb.</i>	81	245-294	Foundations of forestry in the Erzgebirge of Saxony. <i>Wiedemann</i> .
<i>Allg. F. &amp; J. Ztg.</i>	106	179-187	Forest development in Italy from 1913-1927. <i>Cotta</i> .
<i>Schweiz. Zeitschr. Forstw.</i>	81	201	Forestry conditions in Spain. <i>Albisetii</i> . 27 pp.
" <i>Forstarchiv</i> " "	81	319-327	Communal forest of Oberhallau. <i>Hilti</i> .
" <i>Deutsche Forstztg</i>	6	201-214	Forests of Czechoslovakia. <i>Duschek</i> .
" <i>Deutsche Forstztg</i>	6	377-386	Climate, soil and timber trees of Lower Saxony. <i>Hackmann</i> .
" <i>Deutsche Forstztg</i>	45	1169-1172	Aims in forestry. <i>Busse</i> .
1931			
<i>Zeitschr. F. &amp; J.</i>	63	1-32	Virgin forest of S.E. Europe: Albania. <i>Markgraf</i> .
<i>Deutsche Forstztg.</i>	46	817	Russian forestry: impressions made on a visit. <i>Strehlke</i> . 7 pp.
<i>Thar. For. Jahrb.</i>	82	104-137	Forests of Turkey. <i>Bernhard</i> .
" <i>Oesterr. Viertel Forstw. Centralbl</i>	82	703-726	Impressions of a tour in Rumania. <i>Friesche</i> .
" <i>Oesterr. Viertel Forstw. Centralbl</i>	81	125-163	Forests and forestry in Burgenland (L. Austria). <i>Domania</i> .
" <i>Oesterr. Viertel Forstw. Centralbl</i>	75	8-31	13th century regulations in the Ebersberg forest. <i>Mantel</i> .
1880			
<i>Forst-Statistik des Kantons Zürich. Winterthur.</i>	BNF	Notes on state of forest ranges in Canton of Zurich.	
	Switzerland	Pp. 26-40.	
1920-21			
<i>Bookl. "Markischer Forstverein Führer, 17.6 20"</i>	SS	Account of excursion in forests of Hohen-Lübbichow, June, 1920. <i>Kendell</i> .	
1922			
<i>Bookl. pub. Lumber World Rev.</i>	SS	Impressions of European forestry. <i>Hosmer</i> .	
1925			
<i>Deutscher Forstw. Jahrest.</i>	BNF/ Germany	The objects of forest societies and meetings. <i>Wappes</i> . P. 91.	
1926			
<i>Bookl. Die Anstellung der Wirtschaft in den badischen Staats. Karlsruhe.</i>	SS	Forest management in Baden. <i>Philipp</i> .	
<i>Bookl. Die Forstliche Bedeutung der Waldtypen. Helsinki.</i>	SS	Significance of forest types. <i>Cajander</i> .	
1927			
<i>Bookl. "Forstliche Gewissens- erforschung." Karlsruhe.</i>	SS	Questionnaire for finding out mistakes in management, etc. <i>Philipp</i> .	
1928			
<i>Int. Rev. Soc. Arts</i>	Dec. 7	SS	Forestry in Sweden. <i>Stebbing</i> .
1930			
<i>Bookl. Forstpsychologisches aus Baden. Karlsruhe.</i>			Forest psychology in Baden. <i>Eichhorn</i> .
1931			
<i>Int. Timber and Silvic. Procs. Paris.</i>	2	BNI	Improvement of forests in Dept. of Gard, France. <i>Negre</i> . Pp. 243-250.
<i>Estl. Forstw. Jahrb.</i>	5	BNF/ Estonia	Forests in folk lore. <i>Eisen</i> . P. 24.

d. Asia (excluding India).

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1925			
<i>Mitig. D. Dendr. Ges.</i>	35	304-319	Forestry in Japan. <i>Kleinstück</i> .
1926			
<i>Bull. Imp. Inst.</i>	24	708	Forestry in Netherlands Indies. <i>Abs</i> .
1927			
(Am.) <i>Int. For.</i>	25	715-722	Forestry of Japan. <i>Lowdermilk</i> .
1928			
<i>Thar. For. Jahrb.</i>	79	253-266	Account of forests of Cilician Taurus mountains and other parts of Asia Minor. <i>Bernhard</i> .

GENERAL FORESTRY—INDIA, AFRICA, N. AMERICA

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1929 <i>Forstarchiv</i>	5	41—46	Problems of forestry in China. <i>Fenzel</i> .
1930 <i>Forstw. Centralbl.</i>	74	625—640	Possibility of extensive afforestation in China. <i>Fenzel</i> .
1930 OTHER PUBLICATIONS	NO.	SHLF. MARK	BRIEF PARTICULARS
<i>Repr. Anls. Amer. Acad. Pol. and Socl. Sci.</i> Vol. 152		SS	Forestry in denuded China. <i>Lowdermilk</i> .

c. *India (including Burma).*

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1905 <i>Ind. For.</i>	31	227—234	Pioneers of Indian Forestry: Dr. Hugh Cleghorn. <i>Brandis</i> .
1916 (Am.) <i>For. Quar.</i>	14	624—649	Forestry in India from Canadian standpoint. <i>MacMillan</i> .
1922 <i>Emp. For. Jnl.</i>	1	78—86	Tree-worship in India. <i>Edwardes</i> .
1923 <i>Emp. For. Jnl.</i>	2	34—41	The Indian Forest Department. <i>Parker</i> .
1927 <i>Nature</i> <i>Emp. For. Jnl.</i>	120 6	251—252 25—46	Forestry in India. <i>Simmons</i> . Review. Forestry in Burma. <i>Watson</i> .
1895 OTHER PUBLICATIONS	NO.	SHLF. MARK	BRIEF PARTICULARS
1895 <i>Repr. Garden and Forest.</i> Vol. 9		SS	Burma teak forests. <i>Brandis</i> .
1897 <i>Bookl. Orient. Univ. Inst. Woking.</i>		SS	Indian forestry. <i>Brandis</i> .
1917 <i>Govt. Pubn. Calcutta.</i>		SS	Work of the Forest Dept. in India. <i>Troup</i> . 1st ed.
1920 <i>Govt. Pubn. Calcutta.</i>		SS	Work of the Forest Dept. in India. <i>Troup</i> . 2nd ed.
1926 <i>Govt. Pubn. Patna.</i>		SS	The forests of Bihar and Orissa. <i>Nicholson</i> .

f. *Africa.*

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1911 <i>Mittg. D. Dendr. Ges.</i>	20	277—298	Notes on forests and trees of Canary Islands. <i>Burchard</i> .
1926 <i>Emp. For. Jnl.</i>	5	278—280	Forestry in East Africa. (Extr. Rpt. E. A. Com.)
" " "	5	281—284	Forestry in W. Africa. <i>Ormesby-Gore</i> . (Extr.)
1927 <i>Nature</i> <i>Emp. For. Jnl.</i>	120 6	461 193—196	Forestry research in S. Africa. South African forestry. <i>Strang Steel</i> .
1905 OTHER PUBLICATIONS	NO.	SHLF. MARK	BRIEF PARTICULARS
1895 <i>Repr. Science in S. Africa</i>	August	SS	Forestry in S. Africa. <i>Hutchins</i> .

g. *North America (south to Mexico and Bermuda).*

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1889 <i>Allg. F. &amp; J. Ztg.</i>	65	352	Forestry relations in the United States of America. <i>Heck</i> . 13 pp.
1898 <i>Ind. For.</i>	24	478—480	Forestry v. tree planting in U.S.A. <i>Fernow</i> .

FOREST BIBLIOGRAPHY TO 1933: PART 1

PERIODICALS	VOI	PAGE	BRIEF PARTICULARS
1923 (Am.) <i>Jnl. For.</i> <i>Can. For. Mag.</i>	21 19	254-259 431-433	Encouragement of farm forestry, N.Y. State. <i>Collingwood</i> . Forestry in Saskatchewan. <i>Roberts</i> .
1924 <i>Jnl. O.U.F.S.</i>	5	46-47	Elements of Forestry. <i>Moon</i> . Review.
1925 <i>Jnl. O.U.F.S.</i>	6	40	Manual of forestry. <i>Hawley and Hawes</i> . Review.
1926 (Am.) <i>For. Club Quar.</i>	5 2	10-13 37-38	Forestry principles for Pacific Northwest. <i>Manzlik</i> . Reforestation for Cowlitz County. <i>Woods</i> .
1927 <i>Am. For.</i> " " " " " " " "	33 33 33 33 33	150-154 210-214 223 404-407 459-462	U.S.A. National and State Parks. <i>Graves</i> . Maintaining sustained yield in Arkansas. <i>Hall</i> . Votes for forest purposes. Street trees. <i>Mulford</i> . Company working Idaho forest for permanent yield. <i>Miller</i> .
1928 (Am.) <i>Jnl. For.</i>	26	105-109	The philosophy of the forest. <i>Murray</i> .
1933 (Am.) <i>Jnl. For.</i>	31	191-207	The place of recreation in the forest programme. <i>Buck and Morse</i> .
OTHER PUBLICATIONS	NO.	SHLF MARK	BRIEF PARTICULARS
1895 <i>D.A. Yrbk. Repr.</i>		BNA	Forestry for farmers. <i>Fernow</i> .
1899 <i>D.A. For. Serv. Bull.</i> <i>D.A. Yrbk. Repr.</i>	26	BNA	Practical forestry in the Adirondacks. <i>Graves</i> .
1903 <i>D.A. For. Serv. Bull.</i>	42	BNA	Practice of forestry by private owners. <i>Graves</i> .
1904 <i>D.A. For. Serv. Cir.</i>	29, 30	BNA	The woodlot: handbook for forest owners, Southern N. England. <i>Graves and Fisher</i> .
1905 <i>D.A. Farm. Bull.</i> <i>D.A. For. Serv. Cir.</i>	228 21, 22	BNA BNA	Forest planting on model prairie farm: forest planting in woodlot, Louisiana Exposition. Govt. assistance in handling private forests and planting.
1908 <i>Pamphl. For. Ass. Vermont.</i>		SS	Forestry in Vermont. <i>Jones</i> .
1912 <i>Cornell Farm. For. Ser.</i> <i>D.A. For. Serv. Cir.</i>	1 203	BNA BNA	Improvement of the woodlot. Assistance to private owners in forestry. Information Pamphlet.
" " " "	207	BNA	The profession of forestry. <i>Graves</i> .
1914 <i>Can. For. Cir.</i>	10	BNB	Care of the woodlot. <i>Morton</i> . (Superseded by Bull. No. 69)
1920 <i>Can. For. Bull.</i> <i>D.A. Yrbk. Repr.</i>	69 847	BNB BNA	Care of the woodlot. <i>Morton</i> . How the public forests are handled. <i>Smith</i> .
1922 <i>Penn. T. D. Bull.</i> <i>D.A. Cir.</i>	26 211	BNA BNA	Guide to forestry: Book one. <i>Illack</i> . (Educational.) Government forest work.
1926 <i>Ala. Com. For. Bull.</i>	1	BNA	What forestry is. <i>Bunker</i> .
1927 <i>Repr. Am. Rev. of Reviews</i> <i>Cornell Univ. Agr. Exp.</i> <i>Stn. Misc.</i> <i>Idaho Univ. Bull.</i> Vol. 22		SS BNA	The Pack demonstration forests. <i>Ayres</i> . Introduction to forestry. <i>Recknagel</i> .
1928 <i>Pamphl. Amer. Tree Ass.</i> " " " <i>Boil. Ontario For. Dept.</i> <i>Canada P. I. Misc. Ottawa</i>	22	SS A(6) SS BNB BNB	Forests of Idaho. <i>Miller et al.</i> Forestry in the South of U.S.A. <i>Bunker</i> . Forestry in Pacific N. West. <i>Winkenwerder</i> . Forestry in Ontario. Forestry lessons. <i>Finlayson</i> .

### GENERAL FORESTRY AND SILVICULTURE—GENERAL.

1929	OTHER PUBLICATIONS	NO.	SHLF MARK	BRIFF PARTICULARS
	<i>Govt. Pamph. For. Serv. Minnesota.</i>		SS	Forestry in Minnesota. <i>Cheyney and Levin.</i>
<i>j. Oceania.</i>				
1922	PERIODICALS	VOL.	PAGE	BRIFF PARTICULARS
	<i>Austral. For. Jnl.</i>	5	315	Excerpts from a review of the forestry position in Australia.
1925				
	<i>Austral. For. Jnl.</i>	8	61—66	From savagery to silviculture: outlook of forests in general, with special reference to Queensland. <i>Swain.</i>
1926				
	<i>Emp. For. Jnl.</i>	5	54—59	Problems of the New South Wales forestry system. <i>Dalrymple-Hay.</i>
1930				
	<i>Forstw. Centralbl.</i>	74	13—27	Forestry in Australia. <i>Kersten.</i>
1936	OTHER PUBLICATIONS	NO.	SHLF MARK	BRIFF PARTICULARS
	<i>N.Z. Jnl. Agr.</i> Oct. 20 and Nov. 20	SS		Scientific national forestry for New Zealand. <i>Hutchins.</i> 15 pp.

### *k. British Empire (general).*

1926	PERIODICALS	VOL.	PAGE	BRIFF PARTICULARS
	<i>Nature.</i>	118	145—147	Practice of forestry in British Empire. <i>Stobbing.</i>
	<i>Emp. For. Jnl.</i>	5	188—205	Imperial Conference, 1926: Forestry Sub-Committee's Report
<i>l. French Colonies.</i>				
1930	PERIODICALS	VOL.	PAGE	BRIFF PARTICULARS
	<i>Tids. Skog.</i>	38	200—223	Moroccan forests from Middle Atlas to Agadir. <i>Nordhagen.</i>
1931	OTHER PUBLICATIONS	NO.	SHLF MARK	BRIFF PARTICULARS
	<i>Pamph. Berger-Levrault, Paris</i>	SS		The French Colonial forest problem. <i>Lavauden.</i>

## B. SILVICULTURE:

### *1. General.*

1829	PERIODICALS	VOL.	PAGE	BRIFF PARTICULARS
	<i>Krit. Bl. F. u. Jagdw.</i>	4 (ii)	20—71	The significance of climate in connection with the growth and distribution of trees in Germany.
1833	<i>Krit. Bl. F. u. Jagdw.</i>	6 (ii)	53—66	Notes on the influence of locality in silviculture.
1835	<i>Krit. Bl. F. u. Jagdw.</i>	9 (i)	82	The cultivation of pine on dry mountain slopes in limestone districts. <i>Goldmann.</i> 20 pp.
1837	<i>Krit. Bl. F. u. Jagdw.</i>	11 (i)	166—175	The choice of species for mixed forests. <i>Pfeil.</i>
1843	<i>Allg. F. &amp; J. Ztg.</i>	19	129—132	Comparison of timbers with a view to their silvicultural and economic suitability for cultivation.
" "	" "	19	390—400	The necessity of light in the cultivation of oak, especially in mixed forests with beech.
" "	" "	19	480	Necessity for shade and influence of light in broad-leaved forests.
1846	<i>Krit. Bl. F. u. Jagdw.</i>	22 (2)	191—194	Effect of climate on the growth of trees.
" "	" "	23 (2)	141—223	Silviculture of various German trees in relation to soil.
" "	<i>Allg. F. &amp; J. Ztg.</i>	23	46—52	Discussion on general ecological principles. <i>Binder von Kriegelstein.</i>

FOREST BIBLIOGRAPHY TO 1933. PART I

PERIODICALS	VOL	PAGL	BRIEF PARTICULARS
1847 <i>Krit. Bl. F. u. Jagdw.</i> <i>Allg. F. &amp; J. Ztg.</i> " " "	24 (1) 23 23	111—114 121—129 361—364	Notes on the need of trees for warmth. Note on one and two year old pine seedlings on dry soil. On the choice of species and systems.
1848 <i>Krit. Bl. F. u. Jagdw.</i> <i>Allg. F. &amp; J. Ztg.</i>	26 (2) 24	87—136 325—330	Relationship between soil and various German trees. Notes on the utilization of sub-species in silviculture.
1849 <i>Allg. F. &amp; J. Ztg.</i> " " " " " " " " " <i>Krit. Bl. F. u. Jagdw.</i>	25 25 25 25 27 (ii)	90—101 128—129 200—205 241—243 117—134	Observations on importance of light and shade in forests. <i>Seidensticker.</i> Cultivation of oak in beech woods. <i>Rassmann.</i> Experiments on late summer and autumn planting. <i>Hartig.</i> Relationship between agriculture and silviculture. Discussion on meaning of rationalized silviculture.
1850 <i>Vereinsschr. F.-J. u. Naturk.</i> <i>Allg. F. &amp; J. Ztg.</i>	5 26	5—14 86—94	Notes on silviculture in Bohemia. <i>Bechtel.</i> Influence of temperature on forest trees. <i>Bramhard.</i>
1851 <i>Oesterr. Viertel.</i> <i>Vereinsschr. F.-J. u. Naturk.</i> <i>Thar. For. Jahrb.</i>	1 8 7	7—16 44—52 183—238	General notes on silviculture in Austria. Notes on the choice of species. <i>Russbaumer.</i> General silvicultural methods of procedure.
1852 <i>Vereinsschr. F.-J. u. Naturk.</i> <i>Allg. F. &amp; J. Ztg.</i> <i>Krit. Bl. F. u. Jagdw.</i>	12 28 31 (i)	17—26 74—75 170—219	General note on silviculture. The influence of humidity and temperature of the air on forests. Reaction of various trees to soil conditions.
1853 <i>Vereinsschr. F.-J. u. Naturk.</i> " " "	15 15	11 54—80	Plant geography with reference to forestry. 28 pp. General notes on silviculture in Bavaria. <i>Lips.</i>
1854 <i>Oesterr. Viertel.</i> <i>Allg. F. &amp; J. Ztg.</i>	4 30	288—356 43	Light requirement and method of treatment. <i>Blondein.</i> Critical discussion of German silviculture. 16 pp.
1855 <i>Oesterr. Viertel.</i> <i>Allg. F. &amp; J. Ztg.</i>	5 31	372—384 235—239	Where is afforestation most necessary? Forest areas and effect on total area and population. <i>Püschel.</i>
1856 <i>Allg. F. &amp; J. Ztg.</i> <i>Vereinsschr. F.-J. u. Naturk.</i>	32 32 25	242—245 328—331 22—30	Discussion on relative advantages of sowing and planting, as methods of cultivation. <i>Lewisch.</i> Notes on recession of forests in Swiss Alps. <i>von Greyers.</i> Effect of silviculture on soil. <i>Venier.</i>
1859 <i>Vereinsschr. F.-J. u. Naturk.</i> <i>Allg. F. &amp; J. Ztg.</i> <i>Thar. For. Jahrb.</i>	33 35 33	67 173—176 257—265	The spread of Bohemian plants in Russia. <i>Purkyne.</i> 36 pp. The influence of light on tree growth. <i>Dobner.</i> Observations on the temperature of forest atmosphere. <i>Krutsch.</i>
1860 <i>Vereinsschr. F.-J. u. Naturk.</i> " " "	36 38	78—83 65—87	Note on silviculture in Karlstadt forests <i>Reichel.</i> Note on Bohemian silviculture.
1861 <i>Allg. F. &amp; J. Ztg.</i> " " " " " " " " " <i>Thar. For. Jahrb.</i> " " "	37 37 37 37 14 14	89—92 125—136 178—180 202—206 1—54 55—74	The use of tree varieties in silviculture. <i>Fischbach.</i> The influence of deforestation on climate. Notes on fruit trees and the cultivation of wood. The influence of the moon's phases on forest work. Notes on planting beech with spruce. <i>von Unger.</i> Notes on planting larch in spruce stands. <i>von Unger.</i>
1862 <i>Allg. F. &amp; J. Ztg.</i> <i>Monatschr. F. &amp; J.</i>	38	283—284 310—318	Influence of deforestation on climate. Silvicultural treatment of felled areas. <i>Grimm.</i>
1863 <i>Krit. Bl. F. u. Jagdw.</i> " " " <i>Vereinsschr. F.-J. u. Naturk.</i>	46 (i) 46 (i) 46	208—212 213—219 9—46	Comparison of growth on slopes and on plains. <i>Nordlinger.</i> The influence of etiolation of side-shoots on the subsequent growth of conifers. <i>Nordlinger.</i> General notes on silviculture in Bohemia. <i>Pompe.</i>

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1864 <i>Thar. For. Jahrb.</i>	16	22—107	The law of stem formation and its silvicultural significance in obtaining highest net yield. <i>Pressler.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	47	29—32	Note on undue neglect of silver fir.
1866 <i>Allg. F. &amp; J. Ztg.</i>	42	432—134	Note on influence of moon on growth of trees. <i>Ferchl.</i>
" "	Suppl.	52—78	Influence of climate and soil on vegetation. <i>Hoffmann.</i>
1868 <i>Allg. F. &amp; J. Ztg.</i>	44	354—357	The significance of climate on forest yield and growth. <i>Tetsmann.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	63	56—74	General notes on silviculture. <i>Bund.</i>
1869 <i>Allg. F. &amp; J. Ztg.</i>	45	165—179	Influence of volcanic debris on silviculture in the Eifel and Westerwald regions. <i>Jager.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	67	28—49	General notes on silviculture. <i>Bund.</i>
1870 <i>Allg. F. &amp; J. Ztg.</i>	46	38	Description of a forest excursion in Saxony and Bohemia. 22 pp.
" "	46	49	Observations on practical silviculture. 27 pp
" "	46	86—88	Locality and crop conditions. <i>Heyer.</i>
" "	46	449—451	Amount of branch wood in coppice with standards of poplar and birch. <i>Laubrecht.</i>
<i>Zeitschr. F. &amp; J.</i>	2	255—281	Relation of grass and weeds in a forest to soil and silviculture. <i>Senft.</i>
1871 <i>Allg. F. &amp; J. Ztg.</i>	47	389—396	Description of an excursion in Vordersolling, Germany. <i>Burckhardt.</i>
<i>Monatschr. F. &amp; J.</i>		75—80	Historical notes on natural and artificial silviculture.
" "		361—384	Geognostic, meteorological and forestry relations in Germany.
1872 <i>Allg. F. &amp; J. Ztg.</i>	48	1—5	Fallacy of soil impoverishment due to high forest. <i>Vonhausen.</i>
1873 <i>Allg. F. &amp; J. Ztg.</i>	49	1—8	Notes on air temperature inside the tree. <i>Hartig.</i>
" "	49	213—215	Disadvantages of bog draining for forests. <i>Vonhausen.</i>
<i>Monatschr. F. &amp; J.</i>	17	5—22	Notes on geographical boundaries and altitudes of trees. <i>von Berg.</i>
" "	17	436—450	Choice of species in the Swabian Alps. <i>Dorfer.</i>
1874 <i>Allg. F. &amp; J. Ztg.</i>	50	145—152	Note on forest temperature and its relation to soil temperature. <i>Hartig.</i>
" "	50	206—208	The function of range forests in Sachsen-Weimar.
1875 <i>Allg. F. &amp; J. Ztg.</i>	51	73—75	Observations on types of trees to improve soil. <i>Vonhausen.</i>
" "	51	110—111	Forest relations of Wiener Wald, Vienna, Austria.
<i>Vereinschr. F.-J. u. Naturk.</i>	90	155—157	Forest significance of heath land. <i>Furt.</i>
<i>Ind. For.</i>	1	48—69	Effects of climate on forests in Bohemia.
" "	1	142—155	Arboriculture in its relation to climate. <i>Kerr et al.</i>
1877 <i>Zeitschr. F. &amp; J.</i>	9	555—556	The raising of pine for ball planting. <i>Brecher.</i>
<i>Monatschr. F. &amp; J.</i>	21	15—24	Influence of the locality on timber in the Württemberg Black Forest. <i>Üvkull.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	98	77—82	Influence of climate on Bohemian forests. <i>Seidl.</i>
" "	98	83—90	General notes on silviculture in Bohemia. <i>Seidl.</i>
1878 <i>Rev. E. &amp; F.</i>	17	551—554	Disappearance of oak in N.W. France. <i>Grye.</i>
<i>Monatschr. F. &amp; J.</i>	22	183—186	Dependence of trees on local conditions. <i>Beling.</i>
1879 <i>Rev. E. &amp; F.</i>	18	13—18	Silviculture at Universal Exhibition. <i>Thil.</i>
<i>Allg. F. &amp; J. Ztg.</i>	55	430—432	Utilization of <i>Carex briesoides</i> (Seagrass) in Baden. <i>Huetlin.</i>
" "	55	19—27	Cultivation of timber in Danish forest range Odsherred. <i>Beermann.</i>
1880 <i>Rev. E. &amp; F.</i>	19	199—208	Effect of light, canopy and humus on vegetation. <i>Gurnaud.</i>
<i>Forstw. Centralbl.</i>	24	345—365	Are the abrupt changes, associated with the geological formation, in the Mediterranean evergreen and central European deciduous forest in South Europe, due primarily to chemical or physical causes? <i>Braungart.</i>

FOREST BIBLIOGRAPHY TO 1933: PART 1

1881	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Rev. E. &amp; F.</i> <i>Forstw. Centralbl.</i>	20	18—23	History of silviculture in France. <i>Gurnaud</i> .
		25	273—279	Analysis of the locality as bearing on the assessment of its quality. <i>Braca</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	57	101—104	Observations on effect on different trees of a silver fir mixture. <i>Pilz et al.</i>
	" "	57	109—123	Notes on natural recession of forest in Schleswig-Holstein. <i>Emeis</i> .
	" "	57	191—196	Beneficial influence of forest and forest formation. <i>Osterheld</i> .
	" "	57	253—257	On the advantages of more open stands. <i>von Fischbach</i> .
1882	<i>Rev. E. &amp; F.</i> <i>Zeitschr. F. &amp; J.</i>	21	5—23	Control of silvicultural system. <i>Gurnaud</i> .
		14	679	Notes on historical development of forest theories. <i>von Fischbach</i> . 43 pp.
	<i>Ind. For.</i>	8	99	Notes for a manual of Indian silviculture. <i>Fernandez</i> . 66 pp.
	" "	8	217	Management of forests. <i>Puton</i> . 115 pp.
1883	<i>Allg. F. &amp; J. Ztg.</i>	59	42—51	Observations of natural recession of forest in Schleswig-Holstein. <i>Emeis</i> .
	" "	59	98—100	Description of forest range, Albersweiler, Palatinate.
	" "	59	115—119	Observations on natural recession of forest in Schleswig-Holstein. <i>Emeis</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	59	234—241	Account of farms cut out of forest in Italy. <i>Leo</i> .
	<i>Ind. For.</i>	123	152—163	Acclimatization of exotic trees in Bohemia.
		9	358—359	Recent nature of mixed forest in Assam. <i>Peal</i> .
1884	<i>Rev. E. &amp; F.</i>	23	97—109	Preparation of conifer seed. <i>Thill</i> .
	" "	23	109—114	Silviculture in mountainous regions. <i>Gumier</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	23	235—237	Conversion of coppice to high forest. <i>Seguillard</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	60	12—50	Note on silviculture in the Saar. <i>Hawranck</i> .
		60	205—301	Results of phenological and climatological observations in Hessen.
1885	<i>Rev. E. &amp; F.</i>	24	150—456	Conversion of coppice to high forest. <i>Biedel</i> .
	<i>Forstw. Centralbl.</i>	29	601—621	Problems of silviculture in Germany. <i>Wagener</i> .
	<i>Zeitschr. F. &amp; J.</i>	17	249—271	The silvicultural value of exotic trees for German forests. <i>Renz</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	17	348—351	DRAINAGE and irrigation in forest. <i>Dücker</i> .
	" "	61	109—153	Timber-growing on the basalt of the Vogelsberg, Upper Hessen. <i>Wibrand</i> .
	" "	61	257—260	Notes on the cultivation of stands yielding useful timber. <i>Wagener</i> .
	" "	61	326—327	The effect of <i>Populus tremula</i> in pine and larch woods. <i>Harlig</i> .
1886	<i>Rev. E. &amp; F.</i>	25	457—469	Systematic working of forests. <i>Ney</i> .
	" "	25	502—506	The nurseries at Jonchère and Millevaches. <i>Bourotte</i> .
	<i>Forstw. Centralbl.</i>	30	265—277	Investigation on oxygen content of forest air. <i>Ebermayer</i> .
	<i>Zeitschr. F. &amp; J.</i>	18	673—694	The functions of forests in water conservancy. <i>Rheinhard</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	62	46—58	Cultivation of timber crops. <i>Fürst</i> .
	" "	62	80—82	Observations on quantity and quality of wood yield from loosened and agriculturally cultivated soils. <i>Reiss</i> .
	" "	62	91—97	Influence of mountain forests on locality in North Palestine. <i>Leo</i> .
	" "	62	98—99	Description of forest range in Kriegsfeld, Palatinate.
	" "	62	140—142	Description of forest ranges in Rottweil, Württemberg. <i>Speidel</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	62	285—286	Description of Görlitzer Heide, Germany. <i>Tschechke</i> .
		138	3	Influence of light on high forests. <i>Srogl</i> . 45 pp.
1887	<i>Forstw. Centralbl.</i>	31	12—17	Notes on rainfall in forests. <i>Nördlinger</i> .
	<i>Zeitschr. F. &amp; J.</i>	31	132—133	Notes on principle of introduction of exotic trees. <i>Gopert</i> .
	" "	19	201—232	Observations on some forest principles. <i>von der Reck</i> .
	" "	19	265—270	Increment due to increased light in pine forest. <i>Schwaephach</i> .
	" "	19	329—344	Silvicultural theories and the reforms of Wagener. <i>Danckelmann</i> .
	" "	19	645—656	The influence of undergrowth on the growth of the upper storey. <i>Schwaephach</i> .

## SILVICULTURE—GENERAL.

	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1887				
	Allg. F. & J. Ztg.	63	1—7	Notes on phenological observations. <i>Weise.</i>
	" " "	63	7	The development of stands and cultivation of timber. <i>Wagener.</i> 27 pp.
	" " "	63	37—40	The significance and treatment of advance growth. <i>Pahl.</i>
	" " "	63	130—135	Observations on spruce forests in Bavaria and their development.
	" " "	63	315—318	Notes on the question of advance growth.
1888				
	Rev. E. & F.	27	1—11	Mixture of species. <i>Lefebvre.</i>
	Trans. Eng. Arb. Soc.	1	44—53	Suitable trees for various soils and situations. <i>Wilson.</i>
	Forstw. Centralbl.	32	128—132	Significance of forest in the tropics.
	Allg. F. & J. Ztg.	64	90—92	Notes on combination of field crops with forest. <i>Heyer.</i>
	" " "	64	276—282	Combination of field crops with forest in Wurttemberg, Germany. <i>Speidel.</i>
	" " "	64	289—291	Discussion of advance growth.
	" " "	64	400—404	Discussions as to distribution of different trees in mixed forests. <i>Mornweg et al.</i>
	Zeitschr. F. & J.	20	321—347	Phenological observations in Germany. <i>Muttrich.</i>
	Vereinsschr. F.-J. u. Naturk.	147	32—35	General note on silviculture in forests of Tabor. <i>Ganovsky.</i>
	" " "	151	39—56	General note on silviculture in Austrian forests. <i>Czerny.</i>
1889				
	Rev. E. & F.	28	270—273	Various mixtures of species in woods.
	Zeitschr. F. & J.	21	3—21	Increment due to increased light in beech high forest. <i>Grebe</i>
	Allg. F. & J. Ztg.	65	1—13	Influence of the density of the forest on moisture of the soil, and on the quantity of ground water. <i>Ebermayer.</i>
	" " "	65	257—267	The influence of isolation on the growth and form of trees in coppice with standards. <i>Endres.</i>
	" " "	65	339—343	The influence of water on the growth of an open stand. <i>Sepp.</i>
	" " "	65	348—351	Growth and yield of normal spruce forests in N. Germany. <i>Schwappach.</i> Speidel Abs
	" " "	65	373—382	The influence of cutting on the growth of beech high forests. <i>Wagener.</i>
	" " "	65	393—391	The possibility of planting Japanese types in Germany.
	" " "	65	63—67 (Suppl.)	Age, dimensions and growth of forest trees. Abs.
	Vereinsschr. F.-J. u. Naturk.	153	47—89	Note on silviculture in Zbirov. <i>Craslavsky and Leske.</i>
1890				
	Rev. E. & F.	29	97—112	The question of alternation of crops. <i>Lefebvre.</i>
	" " "	29	348—365	Alternation and mixture of species <i>Silvio.</i>
	" " "	29	485—502	Afforestation of mountains. <i>Demontzei.</i>
	" " "	29	554—559	Mountain reafforestation in Switzerland.
	Forstw. Centralbl.	34	449—466	Climate and other environmental conditions of the Taunus forests and their influence on the choice of systems. <i>Schwarz.</i>
	Allg. F. & J. Ztg.	66	255—258	Experiments with forest trees in the State forests of Wurttemberg.
	" " "	66	269	Soil protection wood and its relations with soil humidity and stand growth. <i>Schmidt.</i> 16 pp.
	" " "	66	377	Hygienic significance of atmosphere and soil in forests. <i>Ebermayer.</i> 23 pp.
	Ind. For.	16	108—109	The influence of sunlight on trees. <i>Fernow.</i> Abs.
1891				
	Forstw. Centralbl.	35	351—361	Influence of altitude on the development of stands. <i>Schuberg.</i>
	Allg. F. & J. Ztg.	67	1—6	Silvicultural and economic significance of planting with special reference to spruce. <i>Reuss.</i>
	" " "	67	45	General notes on German silviculture. <i>Knorr.</i> 17 pp.
	" " "	67	82—89	Investigations on dependence of ring-growth on factors of nourishment. <i>Wiesler.</i>
	" " "	67	307	Observations on necessity of reform in silvicultural methods of treating beech. <i>Homberg.</i> 14 pp.
1892				
	Rev. E. & F.	31	385—401	Silvicultural notes. <i>Lefebvre.</i>
	Forstw. Centralbl.	36	325—335	Notes on water requirements in forests in Bavaria. <i>Leyhausen.</i>
	Allg. F. & J. Ztg.	68	11	The significance of a change in the choice of species and in period of rotation. <i>Schinzinger.</i> 20 pp.
	" " "	68	73—74	Influence of locality on the economic maturity of spruce stands. <i>Schmidt.</i>
	" " "	68	361—387	The influence of the position and height of mountains on the growth of forest trees. <i>Honda.</i>

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Rev. E. &amp; F.</i>	32	10-12	The retreat of forest vegetation. <i>Breton.</i>
" "	32	289-308	<i>Evolution of a forest. Silvo.</i>
" "	32	433-444	The aesthetic treatment of forests. <i>Guinier.</i>
<i>Forstl. Naturw. Zeit.</i>	2	220-244	Investigations on the soil requirements of trees. <i>Ebermayer.</i>
<i>Forstw. Centralbl.</i>	37	523-531	Notes on the question of under-growth. <i>Fursl.</i>
<i>Zeitschr. F. &amp; J.</i>	25	52-55	The influence of water on forests and tree growth.
" "	25	125-139	The cultivation of <i>Picea</i> at high altitudes. <i>Aumann.</i>
" "	25	441-456	The determination of the difference in temperature and humidity between forests and fields. <i>Schubert.</i>
<i>Allg. F. &amp; J. Ztg.</i>	69	63-64	Description of forest range in Gundelstein, Wurttemberg.
" "	69	138-139	Problem of mixture of ages in crops. <i>Judeich et al.</i>
" "	69	257-265	Climatic effect of forests on locality. <i>Ebermayer.</i>
" "	69	360-361	Notes on various tree types in high forests. <i>von Wundheim.</i>
" "	69	401-408	Observations on regularity in growth of forest crops. <i>Weber.</i>
<i>1893</i>			
<i>Rev. E. &amp; F.</i>	33	529-545	Origin of silviculture. <i>LeFebvre.</i>
<i>Forstw. Centralbl.</i>	38	377-409	Observations on geographical distribution of conifers. <i>Graner.</i>
" "	38	569-599	Geographical distribution of broad-leaved trees. <i>Graner.</i>
<i>Ind. For.</i>	20	16-17	Notes on influence of climate on vegetation. <i>Mohr Singh.</i>
<i>Allg. F. &amp; J. Ztg.</i>	70	128-138	The establishment of mixed stands, particularly with a view to the production of timber in Hessen. <i>Heyer.</i>
" "	70	237	Observations on the development of the oak. <i>Walther.</i> 8 pp
" "	70	302-303	The creation of mixed forests in beech stands and pine stands. <i>Balhasar.</i>
" "	70	351-356	Statistical examination of the influence of spruce undergrowth on the growth of oak stands. <i>Heyer.</i>
<i>1894</i>			
<i>Rev. E. &amp; F.</i>	33	529-545	Relation between increment of trees and size of the crowns.
<i>Forstw. Centralbl.</i>	38	377-409	The difference in temperature and humidity in forest and field. <i>Ebermayer.</i>
" "	38	569-599	Increment due to increased light. <i>Homberger.</i>
<i>Ind. For.</i>	20	16-17	Temperature and humidity in pine forests and fields. <i>Schubert.</i>
<i>Allg. F. &amp; J. Ztg.</i>	70	128-138	General silvicultural principles in Germany. <i>Lorey.</i> Abs.
" "	70	237	Investigations on mixing of silver fir with pine. <i>Benz.</i>
" "	70	302-303	Notes on the mixing of pine and spruce crops. <i>Osterheld.</i>
" "	70	351-356	Discussion of question of displacement of some trees by others in crops. <i>Arndt et al.</i>
" "	71	207-208	Discussion on group mixing of oak with conifers. <i>Spangenberg et al.</i>
" "	71	209-210	Discussion on value of spruce and pine in selection forest. <i>Weise et al.</i>
" "	71	345-349	Forest ecology in Poland. <i>Guse.</i>
<i>1895</i>			
<i>Bull. S. F. Belgique</i>	2	627-628	Effect of removal of litter on the crop. <i>Huffel.</i>
<i>Forstl. Naturw. Zeit.</i>	4	113-119	Effects of deforestation and bad forestry in Europe. <i>Regnault.</i>
" "	4	410-425	The origin of forest flora.
<i>Zeitschr. F. &amp; J.</i>	27	509-525	Economic and silvicultural importance of moorlands of Erzgebirge, Saxony. <i>Mannel.</i> 63 pp.
<i>Allg. F. &amp; J. Ztg.</i>	71	12-14	On increment due to increased light. <i>Laspayres.</i>
" "	71	102-105	Observations on beech and spruce mixed forests. <i>Lorey.</i>
" "	71	137-139	Notes on old standards in pine high forests. <i>Walther.</i>
" "	71	171-173	Notes on afforestation in the Grand Duchy of Baden.
" "	71	207-208	Forms and growth of forest trees in connection with the Darwinian theory. <i>Meissner.</i>
" "	71	209-210	The treatment of backward coppices in hill districts of Upper Alsace in 1896. <i>Kahl.</i>
" "	71	345-349	Note on disappearance of oak in Bohemia. <i>Schmidt.</i>
<i>Vereinsschr. F.-J. u. Naturk.</i>	196	39-45	On forest ecology and geology in France. <i>Rolland.</i>
<i>Bull. S. Fr.-Comité</i>	3	136-181	The effect of altitude on vegetation. <i>Rolland.</i>
" "	3	550-553	
<i>1896</i>			
<i>Rev. E. &amp; F.</i>	35	546-548	Canopy, shade and shelter. <i>Guinier.</i>
<i>Bull. S. F. Belgique</i>	3	407-415	The effect of salt-content of the air on <i>Pinus Pinaster</i> . <i>Anderlund</i>
" "	3	527-532	Result of observations on rainfall in various types of forest. <i>Ebermayer.</i>
<i>Forstl. Naturw. Zeit.</i>	5	325	Shade, cover and exposure in the forest.
" "	28	569-571	
<i>Zeitschr. F. &amp; J.</i>	72	9-12	
<i>Allg. F. &amp; J. Ztg.</i>	72	177-180	
" "	72	198-203	
" "	72	224-233	
" "	72	293-297	
<i>Vereinsschr. F.-J. u. Naturk.</i>	196	39-45	
<i>Bull. S. Fr.-Comité</i>	3	136-181	
" "	3	550-553	
<i>1897</i>			
<i>Rev. E. &amp; F.</i>	36	193-206	
<i>Forstl. Naturw. Zeit</i>	6	247-249	
" "	6	283-301	
<i>Ind. For.</i>	23	245-256	

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1897</b>			
<i>Forstw. Centralbl.</i>	41	21—26	Statistics for the distribution of varieties and intermixture in Bavarian forests. <i>Gayer and Mayr.</i>
<i>Zeitschr. F. &amp; J.</i>	29	287—291	The behaviour of timbers in the flood areas of the Elbe. <i>Brecher.</i>
" "	29	575—588	Temperature and humidity in pine and beech stands. <i>Schubert.</i>
" "	29	683—686	Notes on ground temperature under silver fir and beech.
<i>Allg. F. &amp; J. Ztg.</i>	73	142—143	Description of forests in Brunswick area, Germany.
" "	73	224	Description of a forest range in Tharandt, Germany. <i>Neumeister.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	73	262—263	Note on oak bark coppices in Silesia. <i>Glasemer.</i>
<i>Trans. Eng. Arb. Soc.</i>	205	3—31	Silviculture in Spessart. <i>Heske.</i>
	3	19—35	Influence of situation and soil on growth and silvicultural treatment and timber quality. <i>Wilson.</i>
<b>1898</b>			
<i>Forstw. Centralbl.</i>	42	624—642	The maintenance of water catchment areas. <i>Bargmann.</i>
<i>Zeitschr. F. &amp; J.</i>	30	139—157	Locality investigations. <i>Zielaskowski.</i>
" "	30	325—351	Observations on forest aesthetics. <i>von Salisch.</i>
<i>Allg. F. &amp; J. Ztg.</i>	74	390—391	General principles of devastation and reconstruction of forests. <i>Abs.</i>
<i>Bull. S. Fr.-Comité</i>	4	6—21	Comparison of the growth in coppice and high forest. <i>Clere.</i>
<b>1899</b>			
<i>Mittg. D. Dendr. Ges.</i>	8	10—46	Exotic trees worthy of cultivation in Germany. <i>Betsaner.</i>
<i>Zeitschr. F. &amp; J.</i>	31	91—99	Notes on the humidity of the atmosphere in pine and spruce stands. <i>Schubert.</i>
" "	31	222—225	Influence of weather conditions on volume growth.
" "	31	259—293	The influence of thinning and increased light on the growth of beech stands. <i>Schwappach.</i>
" "	31	321—345	Measurement of light and light relations in forests. <i>Danckelmann.</i>
<i>Allg. F. &amp; J. Ztg.</i>	75	56	Notes on practical silviculture. <i>Hauck. Abs.</i>
" " "	75	66—70	Results of mixing pine and spruce. <i>Hermes.</i>
" " "	75	72—73	The extension and distribution of certain varieties of timber in Saxony. <i>Beck.</i>
" " "	75	77—82	The transformation of oak bark coppice into other types of stand.
" " "	75	180—181	Relations between the forest and undergrowth. <i>Borgmann.</i>
" " "	75	257	Silviculture. <i>Gayer. Abs.</i>
" " "	75	258—259	Reasons for the cultivation of large oak timber in spite of the demand for lower rotations. <i>Maltzahn.</i>
" " "	75	261	The beech forests of Swabia, with reference to Danish silvicultural principles. <i>Speidel.</i> 13 pp.
" " "	75	311—312	Treatment of bark coppices. <i>Alff. Abs.</i>
" " "	75	331	Spruce forests in N. German loam district. <i>Erdmann.</i> 24 pp.
<b>1900</b>			
<i>Forstw. Centralbl.</i>	44	82—99	Need for silver fir, spruce and Weymouth pine in Palatinate forests. <i>Mühlbach.</i>
<i>Mittg. D. Dendr. Ges.</i>	9	192—200	Research on climatic boundaries of exotic trees in Germany. <i>Drude.</i>
<i>Bull. S. F. Belgique</i>	7	163	On the forest types of N. America. <i>Crahay.</i> 46 pp.
" " "	7	451—465	Forests types of Canada. <i>Schille.</i>
<i>Zeitschr. F. &amp; J.</i>	32	381—406	Observations on decline of forests in East Prussia. <i>von dem Borne.</i>
" " "	32	421—426	Significance of forests in Cuba in maintaining water supply. <i>Guse.</i>
<b>1901</b>			
<i>Trans. Scot. Arb. Soc.</i>	16	13—24	Pure and mixed forests. <i>Brandis.</i>
<i>Rev. E. &amp; F.</i>	40	145—148	Intensive culture of forests. <i>Prouvé.</i>
" " "	40	342—346	The tree limit of altitude. <i>Mathey.</i>
" " "	40	385	The tree limit in France. <i>Flahaut.</i> 40 pp.
<i>Centralbl. f. d. g. Forstw.</i>	27	16—20	Silvicultural systems in relation to effects on soil. <i>Dimitz.</i>
<i>Thar. For. Jahrb.</i>	51	84—98	Influence of geographical position on stem form of silver fir. <i>Kunze.</i>
" " "	51	114—142	Comparative development of Scots and Weymouth pine crops. <i>Grundner.</i>
<i>Bull. S. F. Belgique</i>	8	192—205	Relation between silviculture and geology in Belgium.
<i>Jnl. For. Suisse</i>	52	77	Effect of alternation of species on the forest soil. <i>de Luze.</i> 8 pp.
" " "	52	190—196	Effect of varying altitude on trees in Switzerland. <i>Murc.</i>

FOREST BIBLIOGRAPHY TO 1933: PART 1

PERIODICALS	VOL.	PAGE	BRIEFLY PARTICULARS
<i>1902</i>			
<i>Forstw. Centralbl.</i>	46	131-133	Importance of rapidly recovering the soil after clear felling. <i>Giersberg</i> .
" "	46	349-359	Methods of research in forestry. <i>Weise</i> .
<i>Allg. F. &amp; J. Ztg.</i>	46	566-572	Methods of research in forestry. <i>Schwaephach</i> .
<i>Rev. E. &amp; F.</i>	78	41	Spruce and beech mixtures. <i>Lorey</i> .
<i>Thar. For. Jahr.</i>	41	461-468	Unity in silviculture. <i>Schaeffer</i> .
<i>Bull. S. F. Belgique</i>	52	25-26	Site quality and its improvement. <i>Henze</i> .
<i>Bull. S. Fr. Comite</i>	9	610-611	Use of birch in the establishment of spruce. <i>Pollet</i> .
	6	83-91	Utility and introduction of fir and spruce into poor coppice in the Jura.
" " "	6	266-273	On fixing the proportion of various species in mixed woods. <i>Schaeffer</i> .
" " "	6	519-525	Causes of disappearance of oak in coppice and the remedies. <i>Runacher</i> .
<i>Jnl. For. Suisse</i>	53	91	Use of cleared areas in the forest for agriculture. 12 pp.
<i>1903</i>			
<i>(Am.) For. Quar.</i>	1	94-96	Forest invasion of glaciated areas in Alaska and B.C. <i>Manson</i> .
<i>Forstw. Centralbl.</i>	47	36-39	Methods of research in forestry. <i>Weise</i> .
<i>Allg. F. &amp; J. Ztg.</i>	79	5-11	Introduction of oak into beech forests of Hessen. <i>Trautwein</i> .
" " "	79	348-349	Pine and spruce mixtures. <i>Hemmami</i> . Review.
<i>Centralbl. f. d. g. Forstw.</i>	29	97-119	Crop density and crop height. <i>Bolmerle</i> .
<i>Bull. S. F. Belgique.</i>	10	555	The biology and composition of forests. <i>Bommer</i> . 16 pp.
<i>Naturw. Zeitschr. L. &amp; F.</i>	7	289	Relation of mountain pine to spruce in heathland plantations of Jutland. <i>Muller</i> . 36 pp.
<i>Veremsschr. F.-J. u. Naturk.</i>	239	3-8	Advantages of changing coppice to high forest. <i>Hocke</i> .
<i>Trans. Eng. Arb. Soc.</i>	5	239-270	Regeneration, natural and artificial. <i>Forbes</i> .
" " " "	5	307-315	Trees suitable for planting on bogland. <i>Conway</i> .
<i>1904</i>			
<i>Forstw. Centralbl.</i>	48	259-265	Mixed crops in mountain forests. <i>Jankowsky</i> .
" " "	48	429	Importance of broom in forestry. <i>Hornschu</i> .
<i>Centralbl. f. d. g. Forstw.</i>	30	87-90	Leaf change in tropical forest. <i>Volken</i> . Review.
<i>Bull. S. F. Belgique</i>	30	315-325	Light demanders and shade bearers. <i>Fricke</i> .
" " "	11	190-195	Choice of species for planting in Gt. Britain. <i>Schlech</i> .
	11	243	Conditions for the existence of trees on littoral dunes. <i>Massart</i> . 15 pp.
<i>Zeitschr. F. &amp; J.</i>	36	652-653	Steppe forests of S. Russia. <i>Borgmann</i> .
<i>1905</i>			
<i>Centralbl. f. d. g. Forstw.</i>	31	244-250	Silviculture and biology of plants. <i>Cieslar</i> .
<i>Forstw. Centralbl.</i>	49	1-10	Light and shade trees. <i>v. Furst</i> .
<i>Allg. F. &amp; J. Ztg.</i>	81	41-45	Struggle for existence in a crop. <i>Hauch</i> .
" " "	81	365-371	Unfavourable effect of wind and exposure on soil. <i>Emeis</i> .
<i>Mitg. D. Dendr. Ges.</i>	14	509-512	The forests of Cyprus. <i>Hartmann</i> .
<i>Ind. For.</i>	31	79-81	Nursery treatment of deodar in Jaunsar, India. <i>Coventry</i> .
<i>Proc. Soc. Am. For.</i>	1	62-69	Silviculture applied to virgin forest in America. <i>Gaskill</i> .
<i>Jnl. For. Suisse</i>	56	121-126	The alternation of species to prevent soil impoverishment.
<i>1906</i>			
<i>Rev. E. &amp; F.</i>	45	513	Increasing timber production. <i>Mer</i> . 34 pp.
<i>Centralbl. f. d. g. Forstw.</i>	32	49	Influence of light in the forest. <i>Cieslar</i> . 49 pp.
<i>Mitg. D. Dendr. Ges.</i>	15	157-173	Geographical distribution of American oaks and other <i>Cupuliferae</i> . <i>Dimck</i> .
<i>Zeitschr. F. &amp; J.</i>	38	668-682	Importance of high moors in Hartz Mts. <i>Kantz</i> .
<i>Bull. S. Fr. Comite</i>	8	176-179	The flora of young coppice in France. <i>Fliche</i> .
<i>Proc. Soc. Am. For.</i>	1	158-178	Why prairies are treeless. <i>Gaskill</i> .
<i>Naturw. Zeitschr. L. &amp; F.</i>	1	179-189	Principles involved in determining forest types. <i>Zon</i> .
" " "	4	233-245	Vegetation of moors around Schongau, Upper Bavaria. <i>Leiminger</i> .
" " "	4	377-399	<i>Alnus glutinosa</i> woods of Chiemsee Moor, Bavaria. <i>Paul</i> .
<i>1907</i>			
<i>Trans. Scot. Arb. Soc.</i>	20	8-11	Development of a larch crop. <i>Murray</i> .
<i>(Am.) For. Quar.</i>	5	174-189	Fundamental principles of silviculture. <i>Mayr</i> .
<i>Allg. F. &amp; J. Ztg.</i>	83	1	Detrimental influence of wind and exposure on soil. <i>Emeis</i> . 10 pp.
<i>Centralbl. f. d. g. Forstw.</i>	33	351	Growth of forests in Russian Steppes. <i>Wysotsky</i> . 34 pp.
<i>Mitg. D. Dendr. Ges.</i>	16	118-157	Factors in acclimation of exotic plants. <i>Schwerin</i> .
" " " " " " "	16	238-252	Notes on forest ecology in S. Italy. <i>Schwerin</i> .
<i>Oesterr. Viertel.</i>	57	139-160	Forest types and zones in Japan. <i>Hofmann</i> .

## SILVICULTURE - GENERAL

PERIODICALS		VOL.	PAGE	LIST OF PAPERS
1907				
<i>Oester. Viertel.</i>		57	205-212	Temporary variation in upper tree limit in Alps and Carpathians. <i>Luftenerger.</i>
<i>Ind. For.</i>		33	57-69	Level of subsoil waters with regard to forest. <i>Pearson.</i>
<i>Zeitschr. F. &amp; J.</i>		39	507-576	To what extent is oak afforestation justified in Wiesbaden area? <i>Staubesand.</i>
<i>Proc. Soc. Am. For.</i>		2	3-19	Silvicultural problems in the Philippines. <i>Bryant.</i>
<i>Naturw. Zeitschr. L. &amp; F.</i>		2	79-91	Tolerance and intolerance of trees: a new explanation. <i>Zou.</i>
		5	1	Forest vegetation of sub-alpine Bavarian moors in relation to soil conditions. <i>Leiminger.</i> 80 pp.
1908				
<i>Trans. Scot. Arb. Soc.</i>		21	43	Cultivation of hardwoods. <i>Boyd.</i> 15 pp.
" " "		21	176	Notes of silvicultural interest. <i>Hall.</i> 8 pp.
(Am.) <i>For. Quar.</i>		6	263-271	Determining forest types. <i>Zon.</i>
<i>Forstw. Centralbl.</i>		47	367-371	Changes in management of mountain forests. <i>Descombes</i>
<i>Allg. F. &amp; J. Ztg.</i>		52	505-510	Disputed silvicultural matters. <i>v. Kinst.</i>
" " "		63	8-12	Natural and artificial regeneration. <i>Thaler.</i>
		84	318-321	Silvicultural conditions at junction of basalt and bunter in Hessen. <i>Wener.</i>
<i>Ind. For.</i>		84	417-424	Selection of species and mixtures for Schleswig. <i>Kmeis.</i>
" "		34	46-52	The lineage of British trees.
" "		31	133-136	Forestry and irrigation in India.
" "		34	505-518	The danger of formation of pure forests in India
" "		34	600-604	Cause and effect of gradual disappearance of forests.
<i>Bull. S. Fr.-Comité</i>		9	408	Choice of species for planting in Sabine basin, France <i>Brouillard.</i> 14 pp.
<i>Naturw. Zeitschr. L. &amp; F.</i>		9	667-677	On broad leaved high forest in France. <i>Jolyet.</i>
<i>Vereinsschr. F.-J. u. Naturk.</i>		6	345-361	Treatment of woods in flooded areas of Rhineland. <i>Vill.</i>
		275	115-120	On arrangement of forests in Bohemia. <i>Sundermann.</i>
1909				
<i>Quar. Jnl. For.</i>		3	13-19	Effect of soil moisture on tree growth.
<i>Centralbl. f. d. g. Forstw.</i>		35	4-22	Shade and soil moisture. <i>Cusler.</i>
" " "		35	22-27	Moss cover and natural regeneration. <i>Buhmerle.</i>
" " "		35	28-34	Forest and meadow in the Alps. <i>Jugovic.</i> Review.
" " "		35	69-78	Light utilization by plants. <i>Wiesner.</i> Review.
		35	89-93	The forest as a nitrogen fixer.
<i>Bull. S. Fr.-Comité</i>		70	378-390	The choice of seed in forestry. <i>Guinier.</i>
<i>Mittig. D. Dendr. Ges.</i>		18	69-95	Coast and mountain forms of Douglas fir. <i>Frothingham.</i>
<i>Proc. Soc. Am. For.</i>		1	50-63	Plant formations and forest types. <i>Clements.</i>
<i>Naturw. Zeitschr. L. &amp; F.</i>		7	489-491	Geographical distribution of <i>Pinus excelsa</i> . <i>Neger.</i>
<i>Vereinsschr. F.-J. u. Naturk.</i>		287	105	Choice of locality for various species. 28 pp.
1910				
<i>Ken Bull.</i>			6-15	
<i>Forstw. Centralbl.</i>		54	565-578	Forestry notes on some woods in N.E. England. <i>Dallimore.</i>
<i>Centralbl. f. d. g. Forstw.</i>		51	523-526	Varying growth in trees with special reference to power of persistence in dense crops. <i>Hauch.</i>
<i>Zeitschr. F. &amp; J.</i>		42	3-27	Moss cover and volume increment. <i>Buhmerle.</i>
<i>Mittig. D. Dendr. Ges.</i>		19	255-258	The mixed crops of <i>Zirrin</i> . <i>Krause.</i>
<i>Ind. For.</i>		36	222-225	Why are European forests much poorer in species than N. American forests? <i>Eckard.</i>
<i>Proc. Soc. Am. For.</i>		5	131-136	Effect of rainfall on forests. <i>Bachelor and Pearson.</i>
<i>Vereinsschr. F.-J. u. Naturk.</i>		298	71-86	Forests as gatherers of nitrogen. <i>Cleveland.</i>
				Effect of exceptional climatic conditions on certain forests. <i>Perina.</i>
				Notes on clear-felling in Bohemia.
1911				
(Am.) <i>For. Quar.</i>		9	205-218	New view points in silviculture. <i>Zon.</i>
<i>Trans. Scot. Arb. Soc.</i>		24	6	Vegetation of woodlands. <i>Smith.</i> 27 pp.
" " "		24	153-177	Primitive woodlands and plantation types in Scotland <i>Gordon.</i>
<i>Allg. F. &amp; J. Ztg.</i>		87	401-406	Light measurements in spruce crops. <i>Ramann.</i>
<i>Centralbl. f. d. g. Forstw.</i>		37	51-63	Climatic influences of N. and S. aspects. <i>Wassenboch.</i>
<i>Quar. Jnl. For.</i>		5	42	Acclimatization of trees.
		5	258	Water content of tree stems.
<i>Bull. S. Fr. Belgique</i>		18	30-30	Broadleaved mixtures desirable in beech high forest. <i>Quarière.</i>
		18	74-85	Conversion of pure spruce crops to mixed crops. <i>Poskin.</i>
" " "		11	87-90	Note on plants growing on calcareous soils. <i>Larue.</i>
<i>Proc. Soc. Am. For.</i>		6	161	Recent ecological investigations. <i>de Forest.</i>
<i>Ind. For.</i>		37	489	Silviculture in Burma. <i>Walker.</i> 43 pp.

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL	PAGL	BRIFLY PARTICULARS
1912			
<i>Trans. Scot. Arb. Soc.</i>	26	147-155	Relation of light intensity to oak and beech. <i>Gordon.</i>
<i>Leitschr. F. &amp; J.</i>	44	538-558	Effect of removal of litter on increment and soil. <i>Schwaephach.</i>
<i>Proc. Soc. Am. For.</i>	7	51-57	Relation of soil acidity to plant societies. <i>Samson.</i>
" " "	7	187-196	Natural <i>v.</i> artificial regeneration in Douglas fir region of Pacific Coast. <i>Munger.</i>
" " "	7	212-225	Interrelation between brush and tree growth in Oregon. <i>Foster.</i>
<i>Naturw. Leitschr. L &amp; F.</i>	10	189-199	Periodicity of assimilation and mineral absorption in young trees, especially oak saplings. <i>Bauer.</i> (Eng. Sum. <i>Jnl. Ecol.</i> 1, pp. 189-190, 1913.)
1913			
<i>(Am.) For. Quar.</i>	11	176-184	Influence of shade on plantations. <i>Kimball and Carter.</i>
<i>Rev. E. &amp; F.</i>	11	257-263	Light in forest management. <i>Beck.</i> Abs.
	52	449-458	Silviculture at 10th International Agricultural Congress. <i>Parde.</i>
<i>Thar. For. Jahrb.</i>	61	250-255	Broadleaved admixture in coniferous forests. <i>Ranft.</i>
<i>Allg. F. &amp; J. Ztg.</i>	89	153-165	Influence of crop density, etc., on humus and moisture content of soil. <i>Tiemann.</i>
" " "	89	185	Solar energy in forests. <i>Wagner.</i> 86 pp. (Engl. abs. (Am.) For. Quar. 12, pp. 104-105.)
<i>Proc. Soc. Am. For.</i>	89	201	Water conservation, etc. <i>Anderlund.</i> 37 pp.
" " "	8	51-60	A standard basis for classification of forest types. <i>Dana.</i>
" " "	8	73-75	Definition and use of forest types. <i>Moore.</i>
" " "	8	76-78	The classification of forest types. <i>Greeley.</i>
" " "	8	79-81	Classification of forest land into types. <i>Pearson.</i>
" " "	8	91-93	Physical <i>v.</i> cover types in forest classification. <i>Mason.</i>
" " "	8	94-99	Physical factors as basis for determining forest types. <i>Tillotson.</i>
<i>Tectona</i> " "	8	100-104	Quality classes and forest types. <i>Zon.</i>
	6	52-64	The importance of light as a factor in forest production. <i>Ten Öwer.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	313	590	General description of silviculture in Bosnia. <i>Pavlovsky.</i> 61 pp
<i>Jnl. For. Suisse</i>	64	156-164	The modern principles of silviculture. <i>Engler.</i>
<i>Jnl. Ecol.</i>	1	189-190	Autumnal migration of mineral substances in tree leaves. <i>Ramann.</i> (Landw. Versuchstat. 76, pp. 157-164, 1912.)
" "	1	189-190	Effect of frost on mineral content of tree leaves <i>Ramann.</i> (Landw. Versuchstat. 76, pp. 165-168, 1912.)
" "	1	190-191	Influence of tropical climate on solar periodicity in trees. <i>Volkens.</i> Berlin, 1912, 142 pp. Review.
" "	1	190-191	Influence of temperate climate on tropical trees and plants. <i>Klebs.</i> Review. (Biol. Centralbl. 32, pp. 257-285, 1912.)
<i>Forstw. Centralbl.</i>	57	170-175	On root competition. <i>Frömling.</i> (Engl. Abs. (Am.) For. Quar. 12, p. 108.)
1914			
<i>Forstw. Centralbl.</i>	58	549-578	Utilisation of chemical constituents of soil. <i>Bauer.</i> (Engl. abs. (Am.) For. Quar. 13, pp. 383-384.)
<i>Jnl. Ecol.</i>	2	82-98	Direct effect of rainfall on hydrophilous vegetation. <i>Shreve.</i>
" "	2	258-261	Evaporation, soil moisture and plant succession in U.S.A. <i>Leaver.</i> (Plant World 17, pp. 273-294, 1914.) Review.
" "	2	258-261	Evaporation, soil moisture and plant succession in U.S.A. <i>Fuller.</i> (Bot. Gaz. 58, pp. 193-234, 1914.)
<i>(Am.) For. Quar.</i>	12	271-272	Rates of transpiration and evaporation in 3 year old Scotch pine compared. <i>Tolksy.</i> (Trans. For. Exp. Stns. 47, St. Petersburg, 1913.)
" " "	12	277-278	Effect of weather conditions upon Scots pine shoots. <i>Tolksy.</i> (Trans. For. Exp. Stns. 47, St. Petersburg, 1913.)
<i>Allg. F. &amp; J. Ztg.</i>	12	559-561	Problem of food movement in trees. <i>Elliott.</i>
" " "	90	14-17	<i>Calluna</i> how it flourishes on driest soils. <i>Tiemann.</i>
" " "	90	90-93	Mixed crops of oak and beech: beech and pine statistics. <i>Wimmerauer.</i>
" " "	90	193-196	Vegetation and soil conditions on the forest edge. <i>Jurgens.</i>
" " "	90	211-219	Assimilation and growth in relation to systems of management. <i>Schermeek.</i> Abs.
<i>Proc. Soc. Am. For.</i>	9	78-94	Climatic characteristics of forest types in Rocky Mountains. <i>Bates et al.</i>
" " " "	9	229-234	Determination of site qualities for even aged stands. <i>Hanchl.</i>
" " " "	9	396-406	Replacement of yellow pine by lodge pole pine in Oregon. <i>Munger.</i>

## SILVICULTURE—GENERAL

1914	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Am. For.</i>	20	1	Forestry on the country estate in U.S.A. <i>Miller</i> . 44 pp.
	" "	20	118	Growth factors in woodlot forestry in U.S.A. <i>Rosenbluth</i> . 34 pp.
	<i>Oesterl. Viertel.</i>	64	139-156	On the use of exotics in timber forests. <i>Reuss</i> .
	<i>Zeitschr. F. &amp; J.</i>	46	472-491	Production in mixed stands. <i>Schwanppach</i> . (Engl. abs. (Am) For. Quar. 13. pp. 98-99. 1915.)
1915	<i>Quar. Jnl. For.</i>	9	52-55	Improvement of forest trees.
	<i>Jnl. Ecol.</i>	3	166-176	Review of recent work on transpiration of tree leaves.
	(Am.) <i>For. Quar.</i>	13	90-92	Spectrophotometric experiments in forest. (Mitt. Schw. Centr. Forstl. Versuchsw. 11. 1. 1914. pp. 1-93.) Abs.
	" " "	13	546-547	Winter temperature of pine leaves. <i>Ehlers</i> . (Am. Jnl. Bot. 1915. pp. 32-70.) Abs.
	<i>Zeitschr. F. &amp; J.</i>	47	211-212	Vegetation and rest periods of indigenous trees, particularly beech. <i>Klebs</i> . Review. (Engl. Abs. (Am.) For. Quar. 13. p. 382, 1915, also 14, pp. 83-85, 1916.)
	<i>Centralbl. f. d. g. Forstw.</i>	41	251-272	Causes of tree form. <i>Leon</i> (Engl. Abs. (Am.) For. Quar. 13. pp. 500-502, 1916.)
	<i>Proc. Soc. Am. For.</i>	10	1-8	The invasion of a planted prairie grove in U.S.A. <i>Pool</i> .
	" " " "	10	266-270	Meteorological studies in silvicultural problems. <i>Kenety</i> .
	Oesterl. Viertel. "	10	405-422	Notes on forest ecology and its problems. <i>Boerker</i> .
	<i>Tectona</i>	65	12-18	Importance of site in forestry. <i>Ruckenstein</i> .
	<i>Am. For.</i>	21	969-976	Discussion on general forest problems.
	<i>Vereinschr. F.-J. u. Naturk.</i>	366	531-546	The principles of landscape forestry in U.S.A. <i>Miller</i>
	<i>Jnl. For. Suisse</i>	66	16-20	General note on Bohemian silviculture. <i>Baumgartner</i>
				Afforestation of the vegetation limit.
1916	<i>Quar. Jnl. For.</i>	10	87-104	The theory and practice of mixing trees. <i>Gillanders</i> .
	" " "	10	193	Woodland succession from soil exhaustion. <i>Woodruffe-Peacock</i> . 18 pp.
	(Am.) <i>For. Quar.</i>	14	14-23	Silvicultural problems in Canadian forest reserves. <i>Fernow</i> .
	" " "	14	325	Growth in trees. <i>Jaccard</i> Abs. 5 pp. (Schweiz. Ztschr. Forstw. pp. 1-12, 1916.)
	" " "	14	380-432	History of forest ecology. <i>Boerker</i> .
	<i>Ind. For.</i>	42	23-27	Coppice with standards in Bhandara Divn. C.P. and the effects of drip and shade. <i>Rao</i> .
	<i>Naturw. Zeit. L. &amp; F.</i>	14	20-27	Change of quality in forest soil. <i>Bernbeck</i> .
	<i>Zeitschr. F. &amp; J.</i>	48	493-495	Culture of rapidly growing softwoods. <i>Frey</i> .
	<i>Proc. Soc. Am. For.</i>	11	27-32	Forest cover and snow retention in Colorado. <i>Betts</i> .
	" " " "	11	192-197	Water requirements of young cypress in U.S.A. <i>Mattoon</i> .
	" " " "	11	430-433	Soil moisture in relation to plant succession. <i>Korstian</i> .
	<i>Del. Forstl. Forstagso. Dan.</i>	5	225-292	Research with light demanding trees on heathlands. <i>Helms</i> .
	<i>Vereinschr. F.-J. u. Naturk.</i>	370	66-97	Theory and practice of forest management. <i>Adamicka</i> .
1917	<i>Quar. Jnl. For.</i>	11	88-93	Toxic atrophy. <i>Woodruffe-Peacock</i> .
	" " "	11	161-165	Woodland succession: toxic atrophy. <i>Lardley-Wilmot</i> .
	(Am.) <i>Jnl. For.</i>	15	521-531	Tree growth and climate in U.S.A. <i>Woodward</i> .
	<i>Rev. E. &amp; F.</i>	15	827-853	Factors influencing reproduction. <i>Moore</i> .
	<i>Forstw. Centralbl.</i>	55	97-106	Classification of woods. <i>Arnold</i> .
	<i>Tectona</i>	61	425-451	Coniferous wood in the Keuper region. <i>Wols</i> .
	<i>Am. For.</i>	10	1-95	Discussion on general forest problems.
	" " "	10	153-175	Relations between soil and forest. <i>Beekman</i> .
		23	732-735	Rainfall and tree growth as evidenced by study of rings <i>Douglas</i> .
	<i>Vereinschr. F.-J. u. Naturk.</i>	382	33-58	General silviculture in Bohemia. <i>Neckleba</i> .
1918	<i>Quar. Jnl. For.</i>	12	169-177	Light and air in relation to tree growth. <i>Greenfield</i> .
	" " "	12	253-260	Moisture in relation to tree growth. <i>Greenfield</i> .
	(Am.) <i>Jnl. For.</i>	16	107-108	Indicator significance of native vegetation in determination of forest sites. <i>Korstian</i> . Review.
1919	<i>Quar. Jnl. For.</i>	13	40-45	Woodland succession. <i>Taylor</i> .
	<i>Rev. E. &amp; F.</i>	57	141-146	Influence of thinnings on trees of different dimensions.
	(Am.) <i>Jnl. For.</i>	17	9-14	Biological and economic aspects of the chaparral. <i>Munn</i> .
	" " "	17	443-444	Root habits of trees in northern Canada. <i>Pulling</i> . Abs. (Plant World 21. pp. 223-233. 1918.)
	" " "	17	884-887	Limiting factors in relation to specific ranges of tolerance of forest trees. <i>Hutchinson</i> . Review.

## FOREST BIBLIOGRAPHY TO 1933. PART 1

PERIODICALS	VOL.	PAGE	BRILI PARTICULARS
<b>1919</b>			
<i>Jul. Ecol.</i>	7	5	Studies in the ecology of tropical rain-forest with special reference to S. Brazil. <i>McLean.</i> 101 pp.
" <i>For.</i>	7	113	Ecology of grassland and forest. <i>Smith.</i>
" "	45	193-197	Analysis of some morphological characters of Bombay woody species from ecological standpoint. <i>Sedgwick.</i>
<i>Zeitschr. F. &amp; J.</i>	51	33-37	Study of ground vegetation as an aid in silviculture. <i>Fromling.</i>
<i>Austral For. Jnl.</i>	2	5	Silviculture in New South Wales (incomplete). 42 pp.
" "	2	371	Direction of twist in trees. <i>Maiden.</i> 3 pp.
<i>Allg. J. &amp; J. Ztg.</i>	95	1-6	Change of tree species. <i>Sieber.</i>
<i>Centralbl. f. d. g. Forstw.</i>	45	124-147	Ecological problems of afforestation in Greece. <i>Wissidis.</i>
<i>Tectona</i>	12	367-372	New developments in forestry. <i>Brinnsma.</i>
" "	12	757-772	Notes on new silvicultural methods. <i>Brinnsma.</i>
<i>Jul. For. Suisse</i>	70	619-940	Discussion on general forest problems.
" "	70	131-141	The influence of shade on grass in Swiss wooded pastures. <i>Morillon.</i>
<b>1920</b>			
<i>(Am.) Jul. For. Centralbl.</i>	18	610-615	Tolerance of forest trees. <i>Burns.</i>
" "	64	249-258	Crown form and shade tolerance.
" "	64	281-292	Conversion of pure pine forests of the Palatinate to mixed stands.
" "	64	457-463	Forest types in spruce mountain forests of central Germany. <i>Björkenheim.</i> Review.
<i>Quar. Jnl. For. Bot. Abs.</i>	14	171-176	Mixed woods. <i>Rowe.</i>
" "	4	178	A new evapotranspiration for use in forest studies. <i>Bates.</i> Abs. (Monthly Weather Rev. 47, pp. 283-294, 1919.)
" "	4	180	Vegetation of Philippine Mountains: ecological conditions. (Tropical.) <i>Brown.</i> Abs. (Philippine Bureau Sci. Publ. 13: pp. 1-134, 1919.)
" "	4	278	Influence of snow on distribution of species in the Pyrenees. <i>Bouget.</i> Abs. (Rev. Gén. Bot. 30, pp. 305-320, 1918.)
<i>Mittg. D. Dendr. Ges. Ecology</i>	29	239-246	Estimation of age of trees. <i>v. Schwerin.</i>
<i>Zeitschr. F. &amp; J.</i>	1	139-159	Factors controlling the distribution of forest types. <i>Pearson.</i>
" "	52	308-311	Lüneburger heaths. <i>Von der Wense.</i>
" "	52	410-415	Establishment of oak crops in Wiesbaden. <i>Staubesand.</i>
" "	52	497-523	Timber produced in high forest with regeneration by clear felling. <i>Stephani.</i>
" "	52	688-698	Mixed woods. <i>Fromling.</i> (Engl. Abs. (Am.) For. Quar. 20, pp. 550-551, 1922.)
<i>Austral For. Jnl.</i>	3	53	Silviculture in New South Wales.
" " "	3	63	Direction of twist in trees. <i>Withers.</i> p. 63; <i>Maiden.</i> p. 127.
<b>1921</b>			
<i>Forstw. Centralbl.</i>	65	41	Frost and other factors limiting distribution of trees. <i>Rubner.</i> 24 pp. (Engl. Abs. in Bot. Abs. 9, No. 1267, 1921.)
" "	65	261-268	Ecology in relation to forest botany and silviculture. <i>Wimmer.</i>
<i>Wien. F. &amp; J. Ztg.</i>	65	327-344	Questions of light in ecology and plant geography. <i>Rubner.</i>
<i>Rev. E. &amp; F.</i>	39	301	Consideration of soil in silviculture.
" "	59	301	Influence of removal of coppice on growth of standards. <i>Mer.</i> 22 pp.
<i>Can For. Mag.</i>	17 (1)	5-8	Why the north American prairies are treeless. <i>Campbell.</i>
" " "	17 (2)	473	Popular exposition of forest ecology and its economic application. <i>Rowe.</i> 3 pp.
<i>Ecology</i>	2	1-20	The reactions of plants to new habitats. <i>MacDougal.</i>
" "	2	202-303	Relations between soil type and root form of Western yellow pine seedlings. <i>Haasis.</i> (Abs. (Am.) For. Quar. 20 pp. 147-149, 1922.)
<i>Zeitschr. F. &amp; J.</i>	53	237-244	Climatic characters and tree distribution. <i>Rubner.</i>
<b>1922</b>			
<i>Bot. Abs.</i>	10 3	963	Transpiration of trees. <i>Weaver and Magensen.</i> Abs. (Bot. Gnz. 68, pp. 303-424, 1919.)
<i>Rev. E. &amp; F.</i>	60	151	Retgression of pine in mountains of Sweden. <i>Rabol.</i> Review. (La Géographie 22, p. 270 onwards, 1911.)
<i>(Am.) Jnl. For.</i>	20	122	Forest region and type classification for N. England. 12 pp.
" " "	20	233-254	Humus and root systems in relation to reproduction and competition. <i>Moore.</i>
" " "	20	276-283	Reserved areas of principal forest types. <i>Ashe.</i>
" " "	20	438-462	Branch arrangement and tolerance. <i>Diamond.</i>

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1922</b>			
<i>(Am.) Jnl. For.</i>	20	488—496	Soil acidity preferences of some eastern conifers. <i>Wherry.</i>
" <i>Forstw. Centralbl.</i>	20	634—640	Research methods in the study of forest environment. Review.
" " "	66	86—103	The genetics of trees. <i>Fabrius.</i>
" " "	66	285—290	Tolerance of shade by tree species. <i>Schubert.</i>
" " "	66	405	Silvicultural importance of seed origin in case of the oak. <i>Matthai.</i> 37 pp.
<i>Trans. Scot. Arb. Soc.</i>	36	52—57	Plant indicators. <i>Murray.</i>
<i>Allg. F. &amp; J. Ztg.</i>	36	132—135	Silviculture in Trinidad. <i>Campbell.</i>
<i>Schweiz. Zeitschr. Forstw.</i>	73	125	The filling up of incomplete natural regeneration. Mainly on mixtures. <i>Wagner.</i>
" " "	73	302	Plant succession in forestry. <i>Meyer.</i> 42 pp.
<i>Austral. For. Jnl.</i>	5	104—106	Forest soil, thinnings and natural regeneration <i>Schadelin.</i> 19 pp.
<i>Centralbl. f. d. g. Forstw.</i>	48	45—50	Silviculture in Southern Queensland. <i>Petrie.</i>
" " "	48	154—164	Care of the forest soil. <i>Kreutzer.</i>
<i>Ecology</i>	3	269—274	Forest types: indicator plants. <i>Lemingen-Westenburg.</i>
" "	3	302—305	Vertical distribution on desert mountains in U.S.A. <i>Shreve.</i>
<i>Tectona</i>	15	1111—1116	Effect of removal of virgin white pine on physical factors of site. <i>Larsen.</i>
			Results of rooting up teak in Java. <i>Westra.</i>
<b>1923</b>			
<i>Quar. Jnl. For.</i>	17	98—114	Growth in thickness of a tree. <i>Somerville.</i>
<i>Forstw. Centralbl.</i>	67	173—185	Heathland vegetation and the preference for raw humus on the part of beech at Neubruchhausen. <i>Krauss.</i>
" "	67	340	Basis for analysis of the flora of the locality for purposes of ecological investigation. 22 pp.
<i>Wien. F. &amp; J. Ztg.</i>	41	171—172	Mixed crops of larch and pine. <i>Zelisko.</i>
<i>Trans. Scot. Arb. Soc.</i>	37	6—21	Tree roots, their action and development. <i>Laing.</i>
<i>Ind. For.</i>	49	116—135	Influence of man on forest types in Kumaon Himalayas. <i>Champion.</i>
" " "	49	356—363	Ecology of Indian savannah plants. <i>Sher Singh.</i>
<i>Jnl. For. Suisse</i>	74	121	Exotic species in Swiss forests. <i>Badoux.</i> 29 pp.
<i>Allg. F. &amp; J. Ztg.</i>	99	52—56	Silvicultural measures for increase of current increment. <i>Wagner.</i>
" " "	99	273—281	Mixture of beech with spruce and silver fir. <i>Hofmann.</i>
<i>Zeitschr. F. &amp; J.</i>	55	193—201	Problems of tree development. <i>Jahn.</i>
" "	55	609—632	The ground flora as an indicator of factors of locality. <i>Hartmann.</i>
<i>Deutsche Forstztg.</i>	38	184—185	Notes on quality classification in <i>Dauerwald.</i> <i>Bergmann.</i> (Eng. Abs. Bot. Abs. 12. No. 6259, 1923.)
" "	24	57—59	Bavarian silviculture. <i>Rebel.</i> Review.
" "	24	65—69	Forest types in Finland. <i>Cajander.</i> (Forstw. Ges. Finland 20. p. 1. 1923. Helsingfors.) Review.
<i>Jnl. Arn. Arb.</i>	4	61—90	Northern trees in southern lands. <i>Wilson.</i>
<i>Centralbl. f. d. g. Forstw.</i>	49	66—71	Exotics in Italy. <i>Pavari.</i> Review.
<i>Thar. For. Jahrb.</i>	74	145—160	Basic problems and aims in forest genetics. <i>Löffler.</i>
<i>(Am.) Jnl. For.</i>	21	623—625	Forest distribution in Rocky Mountains. <i>Kirkwood.</i> Review. (Bull. Univ. Montana No. 247. Study Series No. 2, 180 pp. 1922.)
<i>Emp. For.</i>	2	172—181	Silviculture in Canada. <i>Howe.</i>
<i>Bull. S. Fr. Comté</i>	15	152—164	Species to mix with beech. <i>Colleaux.</i>
" " "	15	166—168	Forest of Soignes and selection system. <i>Jobez.</i>
<i>Bull. S. F. Belgique</i>	26	90—101	Roadside trees. <i>d'Avella.</i>
" " "	26	390—404	Introducing other broad leaved species into beech forest. <i>Colleaux.</i>
<i>Ecology</i>	4	11	Ecological classification of plant communities. <i>Nichols.</i> 39 pp.
<i>Det Forstl. Forsogsv. Dan.</i>	8	138	Dispositions on flora and soil of Danish woodlands. <i>Bornebusch.</i> 21 pp.
<b>1924</b>			
<i>Jnl. For. Suisse</i>	75	45	Rotation of crops in forestry. <i>Meyer.</i> 6 pp.
<i>Ind. For.</i>	50	15—27	Ecology of Sal as illustrated by forests of Gonda Divn. U.P. <i>Smythies.</i>
" "	50	188—191	Moribund Sal in the U.P. <i>Bailey.</i>
<i>Quar. Jnl. For.</i>	50	284—288	Ecology of Indian savannah plants.
	58	333—346	Edaphic factors in forest ecology. <i>Spokes.</i>

## FORLSI BIBLIOGRAPHY TO 1933: PART 1

1924	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Bot. Abs.</i>	13.9	6516	Relation of rain to height growth. <i>Korstian</i> . Abs. (Trans Utah. Acad. Sci. 2, pp. 259-266, 1921.)
	" "	13.10	6947	Ecological studies on forest and tree limits. <i>Dauviller</i> . Abs. (Viertel-Jahrschr. Naturforsch. Ges. Zurich 68, pp. 1-102, 1923.)
	" "	13.10	7009	Rate of growth in trees in relation to forestry. <i>Hutchins</i> . Abs. (New Zealand Jour. Sci. and Tech. 3, pp. 1-7, 1920.)
	(Am.) <i>Jnl. For.</i>	32.5	506-512	Silviculture in Germany. <i>Larsen</i> .
	" " "	22.6	43-51	How sites change forest types. <i>Brouse</i> .
	" " "	22	763-779	Mortality and recovery after logging. <i>Belya</i> .
	<i>Wien. F. &amp; J. Ztg</i>	42	145-147	Larch and pine. <i>Nikodem</i> .
	" " "	42	253-254	Silvicultural points. <i>Petschka</i> .
	" " "	42	301-303	On the silviculture of the larch. <i>Hartmann</i> . (Eng. Abs. Bot. Abs. 1925, 7739, p. 1172.)
	<i>Lmp. For. Jnl</i>	3	99-121	The forests of S. Africa. <i>Robertson</i> .
	<i>Jnl. Ecol.</i> "	3	231-234	Relation of pathology to silviculture. <i>Borthwick</i> .
	" "	12	115-204	Ecology and regeneration of British beechwoods. <i>Watt</i> .
	" "	12	260-266	Brush, prairie and deciduous forest ecotone. <i>Fawcett</i> .
	<i>Bull. S. Fr. Comit</i>	12	351	Edaphic limits to forests in prairies of Illinois. <i>Fuller</i> . Abs.
	<i>Allg. F. &amp; J. Ztg</i>	15	214-219	French silviculture in America. <i>Schaeffer</i> .
	" " "	15	424-430	Evaporation effect on forest vegetation. <i>Vauot</i> .
	" " "	100	137-144	The importance of plant geography in practical silviculture. <i>Rubner</i> .
	" " "	100	281-290	Locality and species. <i>Delkers</i> .
	" " "	100	377-388	The silviculture of virgin forest. <i>Schenck</i> .
	" " "	100	556-562	Rotation of crops. <i>Fabricius</i> .
	<i>Schweiz. Zeitschr. Forstw</i>	75	172-174	The problem of exotic trees. <i>Anliker</i> .
	" " "	75	184-185	Biological studies on tree and forest limits. <i>Dauviller</i> . (Viertel-Jahrschr. d. Naturforsch. Ges. Zurich 68, p. 102, 1923.)
	" " "	75	242-248	Occurrence and life of silver fir. <i>Pillichedy</i> .
	" " "	75	332-334	Plant geography and the foundations of silviculture. <i>Rubner</i> . Review.
	<i>Centralbl. f. d. g. Forstw</i>	50	116-153	Silvicultural results from the study of the variation of the leaf characters of our timber trees. <i>Shreiber</i> .
	<i>Forstw. Centralbl.</i>	68	146-460	Silviculture in the Rhine plain. <i>Paster</i> .
	<i>Bull. S. F. Belgique</i>	27	479	Timber production and silviculture in Belgium. <i>Paskin</i> . 27 pp.
	<i>Deutsche Forstzg</i>	39	1	Conversion of oak tan bark coppice. <i>Amras</i> . 10 pp. (Eng. Abs. in Bot. Abs. Vol. 13.7, No. 4919, 1924.)
	" "	39	978-980	Research on forest climate in Landsberger heath. <i>Schubert</i> .
	" "	39	1143-1144	Formation of mixed stands. <i>Nolte</i> . (Eng. Abs. in Bot. Abs. Vol. 14, No. 3375, 1925.)
	" "	39	1187-1189	Growing space and increment. <i>Busse</i> . (Eng. Abs. in Bot. Abs. Vol. 14, No. 4240, 1925.)
	<i>Mitt. D. Dendr. Ges</i>	34	13-19	Growing exotics a phytogeographic problem. <i>Cajander</i> . (Eng. Abs. in Bot. Abs. Vol. 14, No. 7011, 1925.)
	<i>Dansk Skovf. Tids.</i>	611-633	Forest canopy and its silvicultural significance. <i>Oppermann</i> . (Eng. Abs. in Bot. Abs. Vol. 14, No. 7108, 1925.)	
	<i>Tectona</i>	17	1143-1162	Experiments in cultivating indigenous species. <i>Kramer</i> .
	<i>Sylva</i>	5	37-38	Relation between species, climate and silvicultural system. <i>Strugnell</i> .
1925				
	<i>Quar. Jnl. For.</i>	19	13-19	Intensive silviculture. <i>Pratt</i> .
	" "	19	28-30	Clear cutting or shelterwood. <i>Schlisch</i> .
	<i>Bot. Abs.</i> "	11	3299	Alpine timberline and air temperature. <i>Frodin</i> . Abs. (Bot. notiser 1920: 167-176, 1921.)
	" "	11	3347	Forest types and distribution. <i>Chien</i> . Abs. (Ko-Hsueh [Science-Publ. Chinese Sci. Soc.] 8: 130-144, 1923.)
	" "	14	3391	Growth of spruce and condition of humus. <i>Schwappach</i> . Abs. (Rev. of Wiedmann arbeit. Biol. Reichs. Land u. Forstw. 43: 1-77, 1924. Deutsch Forstzg. 39: 1081-1084, 1924.)
	" "	14	4183	Effects of coppicing. <i>Salisbury</i> . Abs. (Trans. Herts. Nat. Hist. Soc. 18: 1-21, 1924.)
	" "	14	4545	Evolution of beech association. <i>Erdman</i> . Abs. (Svensk Bot. Tidskr. 18: 520-521, 1924.)
	" "	14	7671	Light relations in coniferous districts. <i>Lammermayr</i> . Abs. (Oesterreich. Bot. Zeitschr. 74: 15-26, 1925.)

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Bot. Abs.</i>	14	8456	Forest successions at Lake Itasca, Minnesota. <i>Lee</i> . <i>Abs.</i> ( <i>Bot. Gaz.</i> , 78: 129—174, 1924.)
" "	14	8626	Light requirements of tree species. <i>Lelyveld</i> . <i>Abs.</i> ( <i>Landbouwk. Tijdschr.</i> , 37: 113—122, 1925.)
<i>(Am.) Jnl. For.</i>	23	236—244	Silvicultural practice. <i>Preston</i> .
" "	23	496—503	Silvicultural practice. <i>Preston</i> .
<i>Wien. F. &amp; J. Ztg.</i>	23	890—895	Classification of Lake States forest types. <i>Kittredge</i> .
" "	43	86	Significance of forest types. <i>Heske</i> .
<i>Jnl. Ecol.</i>	13	27—73	Value of birch, etc., as filling, nurse, etc. <i>Schreiber</i> .
<i>Austral. For. Jnl.</i>	8	61—66	Ecology of British beechwoods. <i>Watt</i> .
<i>Trop. Agric.</i>	2	194—197	From savagery to silviculture. <i>Swain</i> .
<i>Zeitschr. F. &amp; J.</i>	57	129—139	Silvicultural research. <i>Brooks</i> .
" "	57	193—231	Sand dunes and silviculture. <i>Albert</i> .
" "	57	331—350	Influence of pure and mixed spruce and beech on the soil
" "	57	712—731	Acidity of the soil in pine and beech localities. <i>Hartmann</i> .
<i>Silva</i>	13	1—5	Cultivation of broad leaved species in coastal climates. <i>Swart</i> .
<i>Forstw. Centralbl.</i>	69	441	Mixed crops in Thuringen. <i>Hornschu</i> .
			Climatic factors and the biology of regeneration under shade. v. <i>Wrede</i> . 39 pp
" "	69	597—606	Aspert. <i>Kunthie</i> and <i>Geiger</i> .
" "	69	629—644	Crop climate. <i>Geiger</i> .
" "	69	813—819	Regeneration and ground flora in <i>Jura</i> . <i>Wild</i> .
<i>Centralbl. f. d. g. Forstw.</i>	51	165—194	Curvature in growth. <i>Hartmann</i> .
" "	51	237—249	Silvicultural problems at high elevations. <i>Tschermak</i> .
<i>Det. Forstl. Forsøgsrv. Dan.</i>	9	3—182	Curvature in growth. <i>Tschermak</i> .
" "	8	179—180	Manorial experiments in <i>Jutland</i> plantations. <i>Smith</i> .
" "	8	181—279	Lichens on beech bark as indication of quality. <i>Hauch</i> et al.
<i>Forsl. Järestb.</i>		230	Flora and soil of Danish woodlands. <i>Börnebusch</i> .
<i>Ecology</i>	6	66—74	Choice of species in forestry, with reference to locality. <i>Skoda</i> .
"	6	203—237	Species and area. <i>Gleason</i> .
"	6	238—240	Ecological photometry and instrument for light measurement. <i>Klugh</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>	25	93—98	Wind and exposure as limiting factors in forest plantations. <i>Belyea</i> .
<i>Dansk Skovf. Tids.</i>	89	97	Means of studying forest types and their importance. <i>Heske</i> .
<i>Deutsche Forstztg.</i>	40	622	Mixture of other hardwoods with beech. <i>Hauch</i> . ( <i>Eng. Abs.</i> in <i>Bot. Abs.</i> Vol. 14, No. 8590, 1925.)
" "	40	639—641	Soil improvement by silviculture. <i>Münch</i> . ( <i>Eng. Abs.</i> in <i>Bot. Abs.</i> Vol. 14, No. 8640, 1925.) 14 pp.
" "	40	687—688	Restoration of clear cut areas after owl-moth damage. <i>Methner</i> . ( <i>Eng. Abs.</i> in <i>Bot. Abs.</i> Vol. 14, No. 8631, 1925.)
<i>Sven. Sk. Tids.</i>	23	37—79	Afforestation of areas clear cut as result of owl-moth damage. <i>Junack</i> . ( <i>Eng. Abs.</i> in <i>Bot. Abs.</i> Vol. 14, No. 8606, 1925.)
<i>Tectona</i>	18	873—878	Relations between the crown and form of stem. <i>Pettersson</i> .
			Observations on Endert's "Silvicultural Notes." <i>Brandts Bys</i> .
<b>1926</b>			
<i>Bot. Abs.</i>	15	442	Observations on the life of trees. <i>Nikitin</i> . <i>Abs.</i> ( <i>Bull. State Politech. Inst. Tiflis</i> 1: 192—201, 1924.)
" "	15	919	The structure of woodlands. <i>Salisbury</i> . <i>Abs.</i> ( <i>Veröff. Geobot. Inst. Rübel Zürich</i> 3, pp. 334—354, 1925.)
" "	15	4735	The invasion of forest trees and forest limits. <i>Morkved</i> . <i>Abs.</i> ( <i>Tids. Skog</i> , 33: 311—323, 1923.)
" "	15	4802	Forest research in N. Norway. <i>Lide</i> . <i>Abs.</i> ( <i>Tids. Skog</i> , 33: 517—531, 1925.)
<i>(Am.) Jnl. For.</i>	24	332—346	Silviculture in Canada. <i>Cameron</i> .
" "	24	627—644	Space arrangement of trees and root competition. <i>Daltonen</i> .
<i>Jnl. For. Suisse</i>	77	93—97	Note on mixed high forest. <i>de Luce</i> .
<i>Austral. For. Jnl.</i>	77	176—178	Advantage of mixing larch with beech in Switzerland. <i>Badoix</i> .
" "	9	65—66	Conversion of eucalyptus to pine forests. <i>Harris</i> .
<i>Geog. Jnl.</i>	9	87—89	Afforestation of dry areas in New South Wales. <i>Williams</i> .
<i>Nature</i>	118	206	Tree distribution and climatic factors. <i>Salisbury</i> .
<i>Bull. S. Fr.-Comité</i>	118	837—838	Prehistoric forest distribution in Great Britain.
<i>Quar. Jnl. For.</i>	16	495—496	Interception of rainfall by trees. <i>Phillips</i> .
	20	313—322	Effect of methods of treatment on timber: branches and knots. <i>Schaeffer</i> .
			The ecological approach to silviculture. <i>Watt</i> .

## FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL	PAG	BRIEF PARTICULARS
1926			
<i>Zeitschr. F. &amp; J.</i>	58	3-28	Silviculture on a natural basis. <i>Erdmann</i> .
" "	58	226-254	Dependence of height growth and ground flora of pine woods on the fire fraction and sub-soil of certain alluvial sands. <i>Hartmann</i> .
" "	58	305-317	Suitability of dune and valley sand for beech or sessile oak determined solely by local climate. <i>Oberdieck</i> .
<i>Trans. Scot. Arb. Soc.</i>	58	653-678	Forest types: general and German. <i>Kruedener</i> .
" "	40	23-33	Peat planting. <i>Lang</i> .
<i>Deutsche Forstw.</i>	40	107-114	Cajander's theory of forest types, an appreciation. <i>Anderson</i> .
" "	41	25-27	Mixtures and beech underplanting. <i>Methner</i> .
" "	41	159-164	Underplanting. <i>Von Seelen</i> .
<i>Bull. S. F. Belgique</i>	41	1277-1280	Beech or bilberry under Scots pine. <i>Verlog</i> .
<i>Ecology</i>	29	509-523	Effect of removing litter on soil. <i>Delevoy</i> .
" "	7	1-30	Vegetation on alluvial fans of San Francisco Bay. <i>Cooper</i> .
" "	7	96-98	Pines in the Kansas prairie. <i>Gates</i> .
" "	7	120-135	Profiles of peat deposits in New England. <i>Dachnowski</i> .
" "	7	140-142	Nitrogen as a factor in plant distribution on Mount Desert Island, Maine. <i>Wherry</i> .
" "	7	163-184	Soil reaction and plant distribution in Cincinnati region. <i>Geister</i> .
<i>Rev. E. &amp; F.</i>	7	469-480	Plant ecology and silvicultural practice. <i>Bates</i> .
	64	281-287	Zones of vegetation and species for reafforestation in Atlantic region of N. America. <i>Tessier</i> .
<i>Det. Forsl. Forsogsv. Dan.</i>	9	181-182	Silvicultural experiments in Jutland. <i>Smith</i> .
" " " "	9	198-201	Experiments with light demanders on heath soils. <i>Helms</i> .
" " " "	9	217-220	Provenance studies on <i>Pinus sylvestris</i> . <i>Helms</i> .
" " " "	9	379	Evaporation in forests. <i>Oppermann and Bornebusch</i> .
" " " "	9	380	Soil temperatures in forests. <i>Oppermann and Bornebusch</i> .
" " " "	9	382	Manuring young spruce. <i>Oppermann and Bornebusch</i> .
<i>Forstw. Centralbl.</i>	70	749-758	Investigation of climate in woods. <i>Geiger</i> .
<i>Allg. F. &amp; J. Ztg.</i>	102	392-395	The nodular marts of the Swabian Jura. <i>Gonner</i> .
<i>Schweiz. Zeitschr. Forstw.</i>	77	337-342	Increment and yield of pure and mixed crops. <i>Flury</i> .
<i>Centralbl. f. d. g. Forstw</i>	52	240-242	Growing space and increment. <i>Schmid</i> .
<i>Forstarchiv</i>	2	337-341	The significance of forest types. <i>Rubner</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>	26	337-338	Total volume production as a measure of crop or site quality. <i>Reinhold</i> .
<i>Wien. F. &amp; J. Ztg.</i>	44	232	Character and handling of forests liable to flooding. <i>Stockmayer</i> . 4 pp.
<i>Mittg. D. Dendr. Ges</i>	44	300-301	Extension of <i>P. cembra</i> and <i>Larix europaea</i> in Central Europe.
" " " "	37	16-35	Distribution of <i>Abies pectinata</i> . <i>Matfield</i> .
" " " "	37	104-113	Ecology of Florida. <i>Uphof</i> .
" " " "	37	133-152	Forest types and crop development in Finland. <i>Lönnroth</i> .
<i>Silva</i>	37	276-278	<i>Picea excelsa</i> native to north Germany. <i>Schlieffen</i> .
	14	273	Silvicultural precautions to take with forests in danger of turning into mountain bog. <i>Weinkauf</i> . 12 pp.
	14	417-419	Soil degeneration and moss bog formation. <i>Schroder</i> .
1927			
<i>Nature</i>	119	154	Structure of woodlands. <i>Salisbury</i> .
"	119	155	Distribution of forest types. <i>Cajander</i> .
<i>Jnl. Ecol</i>	120	359-360	Aims and methods in study of vegetation. <i>Salisbury</i> . Review.
	15	130-171	Vegetation of Nottinghamshire: Sherwood forest. <i>Hopkinson</i> .
<i>Ecology</i>	8	106-112	Field method of determining the saltiness of brackish water. <i>Denny</i> .
(Am.) <i>Jnl. For.</i>	25	386-414	The biological side of forest and forage production. <i>Taylor</i> .
" " "	25	415-429	Influence of precipitation cycles on forestry. <i>Marshall</i> .
" " "	25	667-686	Forest genetics and disease resistance. <i>Hartley</i> .
" " "	25	928-933	A new enterprise in forest tree breeding. <i>Lloyd Austin</i> .
" " "	25	981-988	Acceleration of growth in Western yellow pine after cutting. <i>Pearson and Follweiler</i> .
<i>Trans. Scot. Arb. Soc.</i>	41	39-43	Tree frontiers: exotics. <i>Borthwick</i> .
" " " "	41	55-62	Development of recently planted Norway spruce on various herbages. <i>MacDonald</i> .
<i>Bull. S. F. Belgique</i>	30	112-116	The general question of exotics. <i>Pardt</i> .
<i>Internat. Rev. Agric.</i>		470-471	Shade as an important factor in the upward growth of young trees. <i>Hanna</i> . Abs.
<i>Forstw. Centralbl.</i>	71	63-66	Irregular stands of the Middle ages. <i>Tischendorf</i> .
" "	71	96-108	Relation between forest and ground flora. <i>Uchlinger</i> .

## SILVICULTURE—GENERAL.

1927	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Forstw. Centralbl.</i>	71	185	Forest ecology of Northern Europe. <i>Rubner</i> , 48 pp.
	" "	71	386	Influence of shade on different species during first year. <i>Tscheng Gia</i> , 38 pp.
	" "	71	329-345	Effect of root competition of shelterwood on growth of young crop. <i>Fabriens</i> .
	" "	71	345	Soil biology of woods. <i>Funk</i> , 21 pp.
	" "	71	403	Pine in the Rhine Pfalz. <i>Wilde</i> , 17 pp.
	" "	71	449	Leguminosae for soil improvement. <i>Wiedemann</i> , 44 pp.
Jul.	<i>For. Suisse</i>	78	46-51	Natural pruning of side branches. <i>Badeux</i> .
" "	" "	78	163-169	Production of clean timber in even-aged and selection forests. <i>Pillichedy</i> .
" "	" "	78	206-216	Climate and forest vegetation. <i>Pillichedy</i> .
" "	" "	78	281-285	Growth and increment of a very good spruce crop in canton Fribourg. <i>Badeux</i> .
Quar.	<i>Jul. For.</i>	21	203-206	The selection of exotics for planting in Britain. <i>Cox</i> .
" "	" "	21	253-261	Choice of species in N. Yorkshire. <i>Postlett</i> .
Austral.	<i>For. Jnl.</i>	10	87-88	Use of fire in silviculture. <i>Umm</i> .
" "	" "	10	165-168	Poisoning green timber with sodium arsenite.
Emp.	<i>For. Jnl.</i>	6	266-274	Avondale forest plots, Co. Wicklow. results of mixtures. <i>Forbes</i> .
<i>Forestry</i>		1	51-51	Aesthetic considerations in British forestry. <i>Dollimore</i> .
<i>Biol. Abt.</i>		1	8707	Present and past distribution of conifers. <i>Stadt</i> , Abs. (Mittil. Inst. Allg. Bot. Hamburg 6 (2) 167-168, 1926)
" "		1	10287	Notes on silviculture at Frijsenborg, Denmark. <i>Petrum</i> , Abs. (Skogslag 13 (9) 176-186, 1926)
" "		1	11243	Post-glacial re-immigration of forest trees of Europe. <i>Memle</i> , Abs. (Bot. Arch. 16 (1/6) 437-445, 1926)
<i>Zeitschr. F. &amp; J.</i>		59	27-29	Natural occurrence and value for cultivation of beech and sessile oak on slopes of high coastal dunes. <i>Oberdick</i> .
" "		59	321	On the influence of different types of woodland on the contents and formation of nitrates in forest soils. <i>Nemez and Kral</i> , 66 pp.
" "		59	641-656	Influence of locality on form and ecology of mountain plants, illustrated from flora of Carpathians. <i>Marsfeld</i> .
<i>Allg. F. &amp; J. Ztg.</i>		103	134-136	Relation between soil conditions and crop. <i>Lorbacher</i> .
" "	" "	103	167-185	Silvicultural experiments in the Hardtwald, Lower Rhine Valley. <i>Kielorn</i> .
" "	" "	103	265-268	Scattered occurrence of pointed crown in stands of flat crowned pines. <i>Lansdorff</i> .
" "	" "	103	285-295	Retgression of <i>Fagus sylvatica</i> and its disappearance from mixed wood. <i>Lauterbach</i> .
<i>Centralbl. f. d. g. Forstw.</i>		51	38	Pure spruce crops on lowland loam soil in Austria. <i>Hartmann</i> , 16 pp.
" "	" "	51	126-162	The influence of light on the physical and chemical quality of the soil in pure coniferous and broad leaved stands in mixed forest. <i>Krapfli and Nemez</i> .
" "	" "	51	284	Forest geography in Finland. <i>Heile</i> , 39 pp.
" "	" "	51	348-361	Silviculture in flooded regions of Danube valley. <i>Wildman</i> .
<i>Sven. Sk. Tids.</i>		25	69-63	Effect of illumination on stem form. <i>Nylblom</i> .
<i>Ind. For.</i>		51	251-266	The theory of forest types.
" "	" "	51	576-582	Geology and forest types in C.P. India. <i>Vahid</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>		27	307-309	History of forests and moors of N. Bohemia since the last ice age. <i>Rydolph</i> et al.
<i>Deutsche Forstztg.</i>		42	625-628	What is the importance of <i>Dauerwald</i> principle in forestry in Central Germany. <i>Gatherson</i> .
" "	" "	42	902-906	Ecology of Scots pine in beech woods. <i>Schröetter</i> .
<i>Schweiz. Zeitschr. Forstw.</i>		18	95-97	Silviculture and beech in the Vosges. <i>Walter</i> .
<i>Silva</i>		28	8-13	Yield tables and forest types. <i>Bürgel</i> .
		15	341	Relation of forest management to forest types. <i>Rubner</i> , 19 pp.
<i>Deutsche Forstwelt</i>		9	587-588	Forests and forest types of N. Persia. <i>Buse</i> .
<i>Forstarchiv</i>		3	36-39	Introduction of more valuable spp into beech regeneration on lime soils. <i>Berner</i> .
"		3	40-55	Allotiation on ecological basis. <i>Rubner</i> .
"		3	181-187	Locality demands of <i>Fagus sylvatica</i> . <i>Deikers</i> .
"		3	301-305	Pollen analysis for investigating post glacial forest history. <i>Hesmer</i> .
		3	391-396	Forest types. <i>Cajander and Morosova</i> .

## FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOl	PAGE	BRIEF PARTICULARS
1927			
<i>Lesnická Práce</i>	6	20-24	Significance of lupin in forestry. <i>Russicka</i> .
<i>Thar. For. Jahrb</i>	78	65-85	Root systems of Scots pine, spruce and beech. <i>Vater</i> . (Internat. Rev. Agric. 1927, pp. 741-743. Eng. Review.)
1928			
<i>Biol. Abs.</i>	2	234	Evaporation rate and thinning of canopy. <i>Thone</i> . <i>Abs.</i> (Bot. Gaz. 83 (1): 70-76, 1927.)
" "	2	294	Ecological comparison of two types of Iowa forests. <i>Clark</i> . <i>Abs.</i> (Procs. Iowa Acad. Sci. 33: 131-134, 1926 [1927].)
" "	2	297	Factors in life and growth of forest trees. <i>Fehér</i> and <i>István</i> . <i>Abs.</i> (Mathem. és Természettud Közlön 43: 539-555, 1926 German summary.)
" "	2	322	The pine question in Schleswig-Holstein. <i>Koppe</i> et al. <i>Abs.</i> (Ber. Deutsch. Bot. Ges. 44 (9): 588-598, 1926.)
" "	2	350	Vegetation in small forest moors. <i>Wangerin</i> . <i>Abs.</i> (Bot. Arch. 19 (3/4): 314-326, 1927.)
" "	2	2779	Relation of height growth and density. <i>Kasa</i> . <i>Abs.</i> (Tids. Skog 35: 272-283, 1927.)
" "	2	2784	Natural replacement of blight-killed chestnut in hardwood forests. <i>Korstan</i> . <i>Abs.</i>
" "	2	2788	Definition of forest types. <i>Kruedener</i> . <i>Abs.</i> (Petermann's Mittel. Justus Perthes' Geogr. Anst. 74 (7/8): 150-158, 1926.)
" "	2	2900	Can the present coniferous forest limit be pushed northwards? <i>Wibæk</i> . <i>Abs.</i> (Skogen 24 (17): 401-404, 1927.)
" "	2	15883	Ecological problems of tree tops. <i>Huber</i> . <i>Abs.</i> (Zeitschr. Wiss. Biol. Abt. C. Planta 2 (4/5): 476-488, 1926.)
" "	2	15910	Soil temperatures in redwood and hemlock forests. <i>Shreve</i> . <i>Abs.</i> (Bull. Torrey Bot. Club. 54 (9): 649-656, 1927.)
" "	2	18461	Seedling and planting of forests. <i>Dybeck</i> . <i>Abs.</i> (Skogen 15 (9): 261-266, 1928.)
<i>Forestry</i>	2	85-92	A 70 year old plantation on peat. <i>Macdonald</i> .
<i>Jnl. For. Suisse</i>	79	110-125	Silviculture in Sweden. <i>Petters</i> .
" " "	79	221-225	Swiss silviculture - the forest triptych. <i>Bolley</i> .
" " "	79	259-263	Observations in a selection forest at 1800-1830 m. altitude. <i>Badoux</i> .
<i>Sven. Sk. Tids.</i>	26 1	39-65	The provenance of Scots pine seed. <i>Eneroth</i> .
" " "	26	757-758	Effect of slash burning on the soil. <i>Eneroth</i> .
" " "	26	912-913	The local climate of silver fir and pine woods. <i>Wallen</i> .
<i>Ecology</i>	9	1-5	Seventeen years of successional change on Isle Royal, Lake Superior. <i>Cooper</i> .
" "	9	6-11	Soil changes and silviculture on the Harvard forest. <i>Fisher</i> .
" "	9	380-382	Persistence of prairies. <i>Caroles</i> .
" "	9	404-411	Measurement of physical factors in silviculture. <i>Pearson</i> .
<i>Quar. Jnl. For.</i>	22	211	Lichens on trees.
<i>Bull. S. F. Belgique</i>	31	76-84	Effect of fertilizers on increment of poplar. <i>van Till</i> .
" " "	31	84-87	Employment of manure for Scots pine culture in Campine. <i>Dilevoy</i> .
" " "	31	160-162	Regeneration of beech in the Ardennes and the ground flora. <i>Brichel</i> .
<i>Nature</i> " "	31	219	Influence of forests on amount of rainfall reaching the soil.
" "	122	860-861	Vegetation and water supply in S Africa. <i>Henkel</i> .
" "	122	1014	Vegetation of Kamchatka. <i>Komarov</i> .
<i>(Am.) Jnl. For.</i>	26	767-773	Calcium - key to forest productivity. <i>Perry</i> .
" " "	26	786-789	Understocked stands. <i>Meyer</i> .
" " "	26	790-793	Pine plantations in New England. <i>Fisher</i> .
" " "	26	794-796	Woodland pasture in U.S.A. <i>Welton and Morris</i> .
" " "	26	994-997	The soil protection problem. <i>Forsling</i> .
<i>Austral. For. Jnl.</i>	11	75-84	Silviculture in Australia. <i>Jolly</i> .
<i>Am. For.</i>	34	583-585	Altitude limit of tree growth. <i>Ulke</i> .
<i>Rev. E. &amp; F.</i>	66	611-644	On the term <i>Laurum</i> in forest ecology. <i>Hickel</i> .
<i>Deutsche Forstzg.</i>	43	921-924	What has N. German forestry gained from the now past craze of <i>Dauerwald</i> ? <i>Junack</i> .
<i>Mitg. D. Dendr. Ges.</i>	40	97-99	Original distribution of trees in Bavaria. <i>Fischer</i> .
" " " "	40	118-121	Plant life of an old park. <i>Schipper</i> .
" " " "	40	185-186	Vegetation and tree form of an island in the Kattegat. <i>Gieseler</i> .
" " " "	40	226-245	Composition of the xerophytic undergrowth in forests of Florida. <i>Uphof</i> .

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1928</b>			
<i>For. Rundschau</i>	1	251—253	Forest ecology and typology as natural foundations of forest management. <i>Jedlinski</i> , Abs. (Warszawa, 1928, S. 109.) mit umfass. dtsch. Ref. Verl. d. poln. Reichsberufsförstervereines. <i>Związek Zawodowy Lesników Rzeczy. Polskiej</i> .)
" "	1	367—368	Natural distribution of spruce in Central Poland and its economic importance. <i>Jedlinski</i> , Abs. (Sylwan 1928, Lwów. Sonderabdr. mit dtsch. Zus., S. 33.)
" "	1	473—474	Practical problems of forest type theory. <i>Niedzialkowski</i> , Abs. (Lata Polski. Warszawa, 1928, S. 86 [19 S.].)
		486—488	Forest types of C. Ural Mts. <i>Milanowitsch</i> , Abs. (Perm. S. 24, 1928. Sonder-Ausg.)
" "	1	488	Forest types and yields in S. Ural Mountains. <i>Nedrigajlow</i> , Abs. (Werke der geograph. Abt. der Komm. f. Erforsch. d. Naturbetriebskräfte U. d. S. S. R bei d. Ak. d. Wissens. Ausg. I. Leningrad, S. 87—115, 1928.)
" "	1	489—490	Forest types of Siberian coast and their economic importance. <i>Iwaschkevitsch</i> , Abs. (Sonderabdr. aus d. Memoiren d. I. Konf. f. Erforsch. d. Naturbetriebskräfte d. fernen Ostens, B. 2, S. 1—20.)
" "	1	504	History of moorland in Czechoslovakia, as shown by pollen analysis. <i>Klecka</i> , Abs. (Ann. d. tschechosl. Ak. d. Landwirts., 3, S. 195—261, 1928.)
<i>Thar. For. Jahrb.</i>	79	314	Regional survey of forests of Saxony. <i>Vater</i> et al.
<i>Zeitschr. F. &amp; J.</i>	79	399	The forest as an expression of geography. <i>Rübner</i> .
	60	193	Post-glacial forest history of N.W. German highlands according to pollen analysis. <i>Hesmer</i> . 68 pp.
" "	60	385	Influence of climate, soil fauna and vegetation on humification in forest soils. <i>Némec</i> . 83 pp.
" "	60	449—470	Water consumption of various ground floras under pine woods on sands. <i>Hartmann</i> .
" "	60	521—526	Behaviour of various trees as crops. <i>Böttcher</i> .
" "	60	711—725	Should Germany continue to use exotics? <i>Geyr</i> .
<i>Deutsche Forstwirt</i>	10	228—229	Forest regions in Persia. <i>Schricker</i> .
" "	10	325—327	Relation of root formation of species to productivity of locality. <i>Schellingen</i> .
" "	10	733—736	Danger of highmoor formation in Upper Swabian forest soils. <i>Moosmayer</i> .
<i>Centralbl. f. d. g. Forstw.</i>	54	1—18	Behaviour of early and late sprouting spruces. <i>Reuss</i> .
" "	54	31—34	Characteristics of plant geography of Norway. <i>Holmboe</i> .
" "	54	182—186	Effect of cyclic temperature variations on vegetation. <i>Rusicka</i> .
" "	54	254—260	Climatic races of <i>P. douglasii</i> . <i>Münch</i> .
<i>Silva</i>	16	345—349	Importance of the study of plant communities in forestry. <i>Aichinger</i> .
" "	16	357	Influence of crop density on crop height in young beech woods.
" "	16	369	Silvicultural and other questions of the warm dry localities in S.W. Vogelberg. <i>Wéber</i> . 11 pp.
<i>Forstw. Centralbl.</i>	72	404—409	New conception of meaning of locality. <i>Tischendorf</i> .
" "	72	509—526	Marshiness, raw humus and silviculture in Northern Sweden. <i>Hesselman</i> .
" " <i>(Hung.) Erd. Kis. Wien. F. &amp; J. Ztg. Forstarchiv</i>	72	741	Finnish and German forestry. <i>Fanselow</i> . 24 pp.
	30	210—225	Plant associations and ecology of the Hortobagy Steppes. (Ger.)
	46	8—9	Importance of <i>Alnus incana</i> in swampy regions. <i>Drapal</i> .
	4	381	Silviculture in Upper Austrian high mountains formerly and now. <i>Schönwiese</i> . 18 pp.
<i>Allg. F. &amp; J. Ztg.</i>	104	261—262	Forest types, their classification and economic value. <i>Kruedener</i> .
<i>L'Alpe</i>	15 (8)	265—272	Woods and agriculture in S. Italy. <i>Caldart</i> .
<b>1929</b>			
<i>Trans. Scot. Arb. Soc. Biol. Abs.</i>	43	36—46	The living tree. <i>Laing</i> .
	3	508	What is the beech association? <i>Fournier</i> . Abs. (Bull. Soc. Bot. France 74 (5/6): 416—420, 1927.)
" "	3	537	Beech and pine in New Zealand bog. <i>Peterson</i> . Abs. (Bot. Tidskr. 40 (2): 81—125, 1928.)
" "	3	4852	Shade and structure of tree crowns and atmospheric light conditions. <i>Möller</i> . Abs. (Kgl. Vet. og Land. Annalskrift 1928.)

FOREST BIBLIOGRAPHY TO 1933. PART 1

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1929</b>			
<i>Biol. Abt.</i>	3	112-11	Climatic changes and forest development. <i>Gerasimov</i> . Abs. German summary (Bull. Jard. Bot. Princ. U.R.S.S.)
" "	3	212-278	The plant climate. <i>Geiger</i> . Abs. (Mitteil. Staatsforstverwalt. Bayerns 17: 129-142, 1926)
" "	3	213-36	Drainage of peat lands for forests. <i>Tamm</i> . Abs. (Skogen 15 (24): 629-633, 1928)
<i>Quar. Jnl. For.</i>	23	35-41	Forestry in relation to geography. <i>Dallimore</i> .
" " "	23	109-114	The foundations of silviculture.
<i>Ecology</i>	10	1-13	Choice of species. <i>Hiley</i> .
" "	10	67-76	Plant ecology of mountain spruce, W. Virginia. <i>Core</i> .
" "	10	112-125	fires and forest succession: Idaho. <i>Larsen</i> .
" "	10	177-190	Factors controlling forest types. <i>Corson, Allison and Cheyney</i> .
" "	10	201-222	Plant succession following fires. <i>Skutch</i> .
" "	10	312-321	Ecology: tropical rain forest. <i>Kenoyer</i> .
" "	10	476-547	Effects of forest litter. <i>Mackinney</i> .
<i>Austral. For. Jnl.</i>	12	102-105	Secondary succession in forest formations. <i>Stallard</i> .
<i>Forestry</i> " "	12	109-113	The growing season. <i>Lindsay</i> .
<i>Svensk. Sk. Tids.</i>	3	13-16	Soil moisture and silviculture in W. Australia. <i>Campion</i> .
<i>Jnl. Ecol.</i>	27.1	1-60	Silviculture and utilization of timber.
" "	17	223-281	Scots pine heaths in N. Dalarna. <i>Sjöstrom</i> .
" "			Ecology of Australian eucalyptus forests. <i>Petric, Jarrett and Patton</i> .
<i>Nature</i>	123	833-834	Ecological formulae. <i>Stamp</i> .
" "	123	835	Succession of moorland by grassland. <i>Horne</i> .
" "	123	925	Reclamation of mossland. <i>Gillies</i> .
" "	123	951	Land reclamation. <i>Redington</i> .
" "	123	958	Aliens in flora of Victoria. <i>Ewart</i> .
" "	124	111	Draining swamps in Sweden. <i>Malmstrom</i> .
<i>Ind. For.</i>	55	431-432	The synecology of rain forest. <i>Champion</i> .
<i>Bull. S. F. Belgique</i>	55	661-666	The practical significance of forest types. <i>Hesselman</i> .
" "	32	153	Forest ecological principles in Belgium and Belgian Congo. <i>Ledoux</i> . 36 pp.
<i>Jnl. For. Suisse</i>	32	250-266	The forests of Europe in post-glacial times. Abs.
" "	80	148-151	Note on the mixture of beech and larch in Switzerland. <i>Badoux</i> .
<i>Allg. F. &amp; J. Ztg.</i>	105	10	Relation between silviculture and forest management. <i>Waldhauer</i> . 16 pp.
" " "	105	41	Research on forest types and quality of locality of spruce forests in Saxon Ore Mountains. <i>Kotz</i> . 43 pp.
" " "	105	216-228	Soil and local climate as factors in forestry. <i>Lautenbach</i> .
" " "	105	247-254	Applicability of Cufander's forest type theory in Saxon Ore Mountains. <i>Wiedemann</i> .
" " "	105	344-353	Research on applicability of forest types in Grant Mts <i>Mers et al.</i>
<i>For. Rundschau</i>	2	87-88	Forest ecology in Japan. <i>Kawada</i> . (Ringaku-kai Zaishi [Zeitschr. d. forstl. Ges.] 10 S. 535-554, 1928)
" "	2	98	Importance of natural methods in silviculture. <i>Tyskiewics</i> . Abs. (Las Polski, Warszawa, 1928, S. 292-297.)
" "	2	101	Adaptation of vegetation to dryness on the Vorsteppen. <i>Georgescu</i> . Abs. (Revista padurilor 40, Nr. 2, S. 107, 1928.)
" "	2	231	Type of vegetation on Pacific coast of Siberia. <i>Sawitsch</i> . (Quellen f. d. Erforsch. d. Kolonisationsgebiete im fernen Osten. Verlag d. Fernöstl. Staatl. Kolonisationsanstalt. Augs. 1. S. 1-50. Wladiwostok, 1928 [first 1929 erch])
<i>Centralbl. f. d. g. Forstw.</i>	55	86	Flooded areas of Danube valley near Vienna. <i>Wodera</i> . 22 pp.
<i>Schweiz. Zeitschr. Forstw.</i>	80	3-12	Silviculture of <i>Pinus austriaca</i> . <i>Schmid</i> . 29 pp.
" " "	80	243	Role and importance of shelterwood species in forests of Tessin Canton. New soil research and its applicability to forest problems. <i>Hess</i> . 40 pp.
<i>Forstw. Centralbl.</i>	73	52-60	Forest types on the red earths of South France. <i>Aichinger</i> .
" "	73	799-800	Technical properties of wood in relation to forest types <i>Kahn</i> .
<i>Mitg. D. Dendr. Ges.</i>	73	813	Ground flora and height growth. <i>Rübner</i> . 36 pp.
" "	41	232-254	Sub-tropical swampy areas of Florida and their woody plant associations. <i>Uphof</i> .
<i>Wien. F. &amp; J. Ztg.</i>	47	103-105	Forest types, taking forests of Finland as basis. <i>Leinenigen</i> .

## SILVICULTURE—GENERAL

PERIODICALS		VOL.	PAGL.	BRIT F PARTICULARS
1929				
<i>Bull. S. Fr.-Comité</i>		18	64—66	Species for planting in marshlands of Haute-Saône, France. <i>Jolyet.</i>
<i>Deutsche Forstwirt</i>		11	313	Maintenance of broad leaved trees in lowlands. <i>Leuthold.</i> 9 pp.
" "		11	381—382	Most important forest types of E. Prussia. <i>Müller.</i>
" "		11	438—439	Change of species in historic times in woods on end morains in E. Prussia. <i>Lassen.</i>
<i>Silva</i>		17	81—85	Characteristics and regeneration of the chief species occurring in marshy valleys, especially of the Rhine. <i>Petith.</i>
<i>Zeitschr. F. &amp; J.</i>		17	221—226	Relation of site and yield classes. <i>Oelkers.</i>
" "		61	223—230	Criticisms of Krüdener's forest types. <i>Müller.</i>
" "		61	637	Effect of long periods of bareness on growth of trees planted on an area. <i>Wack.</i> 61 pp.
<i>S. d'sche. F. &amp; J. Ztg.</i>		29	83—84	Effect of forest crop on aid and soil temperature. <i>Schicht.</i>
" "		29	177—183	Afforestation of high areas in the Ore mountains by natural methods. <i>Rubner.</i>
<i>Lesnické Práce</i>		8	5	Principles underlying ecological division of forest into areas. <i>Wilde.</i> 20 pp.
<i>Tectona</i>		22	436—451	The importance of forests in the outer districts in Java. <i>van Zon.</i>
"		22	482—506	The exploitation of forests in the Panglong territory. <i>Jelles.</i>
1930				
<i>Quar. Jnl. For.</i>		24	22—32	The arboretum as an aid to silvicultural research. <i>Dallimore.</i>
<i>Soil Science</i>		29	281—284	Effect of burning on forest soils. <i>Barnette and Hester.</i>
(Am.) <i>Jnl. For.</i>		28	23—27	The quadrat. <i>McGinnies.</i>
" "		28	693—700	Silviculture in Californian national forests. <i>Woodbury.</i>
" "		28	1110—1118	Is silviculture possible in U.S.A.? <i>Shepard.</i>
<i>Biol. Abs.</i>		4	292	Analysis of forest associations. <i>Kononovov.</i> Abs. (Mitteil. Leningrader Forstinst. 1927 (35) 69—104, 1927.)
" "		4	6928	Evaporation studies in upland hardwood. <i>Cain and Friesner.</i> Abs. (Butler Univ. Bot. Studies Paper 1, 1—15 p. [1929].)
" "		4	10886	Deciduous forest associations in Scania, Sweden. <i>Årvidsson.</i> Abs. (Svensk. Bot. Tidskr. 23 (1): 52—62, 1929.)
" "		4	12749	Forest types and soil types in Norway. <i>Tamm.</i> Abs. (Skogen 16 (8): 223—228, 1929.)
" "		4	14099	Soil reaction and upland hardwood in Sycamore Creek, Indiana. <i>Cain et al.</i> Abs. (Butler Univ. Bot. Studies No. 2, 17—28, 1929.)
" "		4	15949	Forest increment and increased light. <i>Roth.</i> Abs. (Erdészeti Kisérletek 31 (1): 77—87, 1929.)
" "		4	26640	Studies in ecotone between prairie and woodland. <i>Aikman.</i> Abs. (Proc. Iowa Acad. Sci. 35: 99—103, 1928 [1930].)
" "		4	26641	Phytosociological studies in France. <i>Arènes.</i> Abs. (Bull. Soc. Bot. France 73 (9/10): 1016—1022, 1926 [1927]; 74 (1/2): 65—85, 1927.)
" "		4	32692	Measuring the foliage canopy of trees. <i>Taylor.</i> Abs. (Rubber Res. Scheme [Ceylon] 1929 (2): 5—6, 1929.)
<i>Ecology</i>		11	1—29	Vegetation of Heart's Content, Pennsylvania. <i>Lutz.</i>
"		11	72—101	Decomposition of forest litter. <i>Melin.</i>
"		11	145—160	Light and moisture in forestry. <i>Pearson.</i>
"		11	562—567	Invasion of glacial moraines by trees. <i>Lutz.</i>
"		11	631—672	Forest types of Northern Rockies. <i>Larsen.</i>
<i>Jnl. Land Agts. Soc.</i>		29	362—370	Use of plants in deciding trees to plant. <i>Walt.</i>
<i>Austral. For. Jnl.</i>		13	5—8	Secondary sources of moisture. <i>Lane-Poole.</i>
" "		13	8—9	Soil moisture and silviculture. <i>Campion.</i>
<i>Forestry</i>		4	26—33	Ecological conceptions and formation of plantations. <i>Stevens.</i>
<i>Svensk. Sk. Tids.</i>		28	17—18	Silvicultural measures to check soil deterioration. <i>Tamm.</i>
" "		28,3	151—355	Finnish forest types in Sweden. <i>Amilon.</i>
<i>Jnl. Ecol.</i>		18	139—144	Climate and soil in relation to forest management. <i>Pearson.</i>
<i>Ind. For.</i>		56	389—396	The abandoned areas in Khanewal plantation. <i>Mattu and Kashyap.</i>
<i>Scot. For. Jnl.</i>		44	45—54	Coniferous quality classes in Scotland. <i>Anderson.</i>
<i>Nature</i>		126	547	Polar limits of tree growth. <i>Scymkiewicz.</i> Abs.
<i>Can. For. Mag.</i>		26	472	Practice of silviculture in Quebec. <i>Bedard.</i> 3 pp.
<i>Rev. E. &amp; F.</i>		68	9	Principles of tropical silviculture in French Colonies. <i>Lavanden.</i> 13 pp.
<i>Tids. Skog.</i>		34—35		Tree planting in Iceland. <i>Lie.</i>

FOREST BIBLIOGRAPHY TO 1933: PART 1

1930	PERIODICALS	VOL	PAGE	BRIEF PARTICULARS
	<i>Schweiz. Zeitschr. Forstw.</i>	81	161	Contribution to Swiss forest ecology. Grossmann, 27 pp.
	" "	81	241-253	Effect of locality on the growth form of Swiss forest trees. Fankhauser.
	" "	81	365-373	Extension of range of <i>Fagus sylvatica</i> in Austria, and factors of locality concerned. Tschermak.
	<i>Jahrb. Moorh.</i>	18	44-48	Short abstracts of all literature on flora and fauna of moor-lands, 1930.
	<i>For. Rundschau</i>	3	8	Microclimate of isolated sites. Hummel. Abs. (Dtsch. Meteorol. Jahrb. f. Bayern, 1929, München, B. I-B. II.)
	" "	3	8-9	Is there a thermal tree limit? Szymkiewicz. Abs. (Acta Societatis Botanicorum Poloniae S. 1-14, Warschau, 1930.)
	" "	3	116-117	Effect of age and quality class on structure of crops. Jedlinski. Abs. (Las Polski 9 S. 108 [66 S.] 1929. Sonderdr. mit S. 8 dtsch. Zus.)
	" "	3	341-315	Research on composition of beech crops of virgin type. Miletic. Abs. (Sonderdr. aus Sumarski List 55, 1930. Inaug. Dissert. z. Erlang. d. Doktor wurde a. d. Landw.-forstl. Fakultat, d. Univers. in Zagreb. Latein, S. 84.)
		3	357	Occurrence of forest trees and their altitude limits in W. Norway. Soren Fe. Abs. (Mittig. a. d. forstl. Versuchstation West-Norwegen 13, S. 1-97.)
	" "	3	397-398	Research on site climate at Eberswalde. Bartels and Kohn. Abs. (Dtsch. Forsch. aus d. Arbeit d. Notgemeinsch. d. dtsch. Wissens. Hft. 14, S. 72-79. Berlin 1930.)
	" "	3	487	Silvicultural importance of forest litter. Soschecki. Abs. (Sylwan 47, S. 378-417, 1929 Mit dtsch. Zus.)
	<i>Ska</i>	18	27-29	Types of <i>Pinus sylvestris</i> forest. Kühnau.
	" "	18	51	Soil and vegetation climates: forest and crop types. Hartmann, 9 pp.
	" "	18	124-126	Forest types in Finland and related phenomena.
	" "	18	126-127	Relation between growth of Scots pine and the locality. Hartmann
	" "	18	169-171	The forest: an organic whole? Trebning.
	" "	18	297	History and importance of forest type theory. Kruedener. 16 pp.
	<i>Allg. F. &amp; J. Ztg.</i>	18	331-334	Introduction of other spp. into beech stands. Dommes.
	" "	106	9-17	Relation between growth of pine and locality. Hartmann, Forest types. Rebel.
	" "	106	75-77	Question of crop and forest types. Greiss.
	<i>Thar. For. Jahrb.</i>	81	389-419	Tropical rain forest of West Himalayas and its ecology. Heeke.
	<i>Deutsche Forstwirt</i>	12	441	Re-formation of mixed woods instead of pure spruce in Mittelgebirge Eberts, 12 pp.
	<i>Centralbl. f. d. g. Forstw.</i>	56	1	Virgin forests of S.E. Europe and the introduction of management Fröhlich, 34 pp.
	<i>Deutsche Forstzeitg.</i>	45	337-339	Return of pine and spruce mixed woods to their natural regions Böttig.
	<i>Forstw. Centralbl.</i>	74	235-241	Use of plant geography in forestry. Rubner.
	" "	74	286-298	Active silviculture and natural spread of forest tree species. Ischermak.
	" "	74	323-344	Moor meadows or moor woods? Lang.
	" "	74	761	Pollen analysis of the high moors of the Thuringian forest. Jahn, 23 pp.
	" "	74	775-784	Use of studying plant communities in forestry. Aichinger.
	" "	74	793-809	<i>Alnus incana</i> woods in the flooded parts of the Drau valley. Aichinger et al.
	<i>Det. Forstl. Forsogsv. Dan.</i>	11	1-153	Soil fauna of various forest types in Denmark. Bornebusch. (Eng.)
	<i>Forstarchiv</i> " "	11	352-353	The forests of Jutland. Oppermann et al.
	" "	6	98-101	Discussion on silvicultural research technique. Gusovius.
	" "	6	145	Virgin forests of S.E. Europe. Müller, 20 pp.
	" "	6	292-294	Contribution to history of silviculture in Germany. Schwappach.
	" "	6	355	Effect of tree species on soil. Volger.
	<i>Bull. S. F. Belgique</i>	6	477-483	Division of Germany into forest regions. Helf.
	" "	33	304-313	Roots and their relation to silvicultural practice. Laitakari.
	" "	33	461-467	The question of silviculture in relation to exotics. de Koning.

## SILVICULTURE—GENERAL

1930	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	(Hung.) <i>Erd. Kis.</i>	32	237—256	Ecological investigations on alkaline soils of Hungarian low-land. <i>Magyar. (Ger.)</i>
	" " "	32	559—566	Forest vegetational studies in Central Alps, Carpathians and Mittelgebirge. <i>Soo. (Ger.)</i>
	Wien. F. & J. <i>Zig.</i>	48	103	Foundations of modern silviculture. <i>Harthmann.</i> 3 pp.
	" " "	48	205—206	Suggestions as to silviculture and management of Alpine forests of Italy. <i>Egger.</i>
	Oesterr. " <i>Viertel.</i> "	48	256	Relation of forest ecology to management. <i>Schmidt.</i>
	80	291—300	What practical value is the study of plant communities to forestry? <i>Aichinger et al.</i>	
	Mittg. D. Dendr. <i>Ges.</i>	42	105—126	Ecology of tropical broad leaved forests of Florida. <i>Uphof.</i>
	Zeitschr. F. & J. <i>Zig.</i>	62	749—778	Ecological composition of forests of N. Germany. <i>Harthmann.</i>
	S. d'sche. F. & J. <i>Zig.</i>	30	337—343	Relation of ground flora to timber production and regeneration of forest. <i>Wessely.</i>
	Lesnická <i>Práce</i>	9	260—263	The importance of beech on wooded mountains. <i>Barchánek.</i>
	Tectona	23	797—806	Importance of forest for population. <i>Zwart.</i>
	Sylva	10	10—12	Effects of native agriculture on vegetation of Tanganyika.
1931	(Am.) <i>Jnl. For.</i>	29	92—93	A word for exotics. <i>Gemmer.</i>
	" " "	29	784—796	Controlling summerwood in longleaf pine. <i>Paul and Marts.</i>
	Biol. <i>Abs.</i>	29	1173—1177	Effect of pure coniferous stands on hardpan. <i>Martell.</i>
	" " "	5	7185	The forest on Jurassic clay soil in France. <i>Fournier. Abs. (Bull. Soc. Bot. France 72 (7/8): 834—852, 1925 [1926].)</i>
	" " "	5	11658	Forests of marine regions. <i>Cuse. Abs. (Bull. Geogr. Soc. Philadelphia 27 (3): 213—234, 1929.)</i>
	" " "	5	11729	Tree naturalization experiments in France. <i>Kern. Abs. (Bull. Appl. Bot. Gen. and Plant-Breed. (Leningrad) 20: 413—433, 1929.)</i>
	" " "	5	13488	Retgression of forest associations. <i>Konovalov. Abs. (Jour. All-Russ. Congr. Bot. (Leningrad), 1928: 234—236, 1928.)</i>
	" " "	5	15066	Changes in common fir due to climate. <i>Samofal. Abs. (Proc. All-Russ. Congr. Botanists, Leningrad, 1928. 1928: 100—101.)</i>
	" " "	5	16499	Species and origin of high moor. <i>Faber. Abs. (Nederl. Dendrol. Ver. Jaarboek 3: 132—136, 1927.)</i>
	" " "	5	26781	Biotic influence of fire in Africa. <i>Phillips. Abs. (So. Afr. Jour. Sci. 27: 352—367, 1930.)</i>
	" " "	5	26782	Pollen distribution in Europe. <i>Rudolph. Abs. (Beih. Bot. Centralbl. Abt. 2, 47 (1): 111—176, 1930.)</i>
	Emp. <i>For. Jnl.</i>	10	86—105	Ecology the foundation of forestry. <i>Phillips.</i>
	Ind. <i>For.</i>	57	325—340	Notes on ecological changes in Punjab forests. <i>Glover.</i>
	Scot. <i>For. Jnl.</i>	45	1—28	A system of forestry for the British Islands. <i>Ponsonby.</i>
	" " "	45	171—175	Relation of regeneration to geological character of soil. <i>Enroth.</i>
	Jul. <i>Ecol.</i>	19	158—163	Boreal hardwood forests and pollen statistics. <i>Erdtmann.</i>
	" " " <i>Ecology</i>	19	134—135	Factors controlling tree distribution in Victoria. <i>Patton. Abs.</i>
	" " "	12	380—386	Effect of drought on hardwoods. <i>Hursh and Haasis.</i>
	" " "	12	528—540	Ecological survey of Florida scrub. <i>Mutuwa.</i>
	" " "	12	650—655	Pollen analysis of Mud Lake Bog in Ohio. <i>Sears.</i>
	" " "	12	665—689	Period of height growth in some N.E. American conifers. <i>Baldwin.</i>
	Rev. E. & F.	69	393—395	Solar radiation and density of plantation. <i>Oudin.</i>
	Tim. <i>Growers' Quar. Rev.</i> 5 (Sept.)		4—7	Ecological aspects of afforestation. <i>Owen Jones.</i>
	Bull. S. Fr.-Comit.	19	156—160	An attempt at classification of plant associations. <i>Joubert.</i>
	Sven. Sk. Tids.	29	486—520	Ecology of Scandinavian beechwoods. <i>Lindquist.</i>
	Forstw. Centralbl.	75	31—39	Sketch of Greek forests. <i>Koskenkäts.</i>
	" " "	75	107—111	Related properties of forest trees. <i>Klunkel.</i>
	" " "	75	286—301	Soil and forest types on the coast dunes. <i>Hollstein.</i>
	" " "	75	629	Forestry in the flooded areas of the Rhine valley in Bavaria. <i>Bauer.</i> 42 pp.
	" " "	75	820—827	The best climate conditions for the coastal Douglas fir. <i>Schwarz.</i>
	Zeitschr. F. & J.	63	121—139	Influence of tree species and locality on soil etc. in Germany. <i>Hasenkamp.</i>
	" " "	63	414—421	Some Polish woods and their forest types. <i>Jaccoshi.</i>
	" " "	63	467—475	Oelker's silviculture considered in relation to soil. <i>Kuhn.</i>

FOREST BIBLIOGRAPHY TO 1931. PART I

1931	PERIODICALS	VOL.	PAGE	BRITISH PARTICULARS
	<i>Leitschr. F. &amp; J.</i>	63	553-574	Forest development in Pomerania, with special reference to natural occurrence of spruce as shown by pollen analysis. <i>Hesmer</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	63	660-665	Locality demands of green Douglas fir. <i>Albert</i> .
	" "	107	233-241	Change of species in the forests. <i>Seiber</i> .
	" "	107	409-419	Coniferous forest, on the Bunter sandstone area in Southern Black Forest. <i>Gayer</i> .
	<i>Mak. Echo.</i>	10 (1)	26-31	Some phases of silviculture in the Philippines. <i>Buenaventura</i> .
	<i>Deutsche Forstwirt</i>	13	361	Relation of tree species in locality. <i>Bindseil</i> . 7 pp.
	" "	13	409-411	Forest ecology as a subject for investigation. <i>Rubner</i> .
	<i>(Am.) For. Club Quar.</i>	9 (1)	21-27	Indicator vegetation on cutover lands of S.E. Alaska. <i>Taylor</i> .
	<i>S. d'sche. F. &amp; J. Ztg.</i>	31	166	Ecological investigation in forestry with special reference to plant communities. <i>Sigmund</i> . 8 pp.
	" "	31	249	Present possibility of use of moorland for afforestation. <i>Friedrich</i> . 24 pp.
	<i>Schweiz. Zeitschr. Forstw.</i>	82	41-47	Importance of knowing origin of tree seed. <i>Flury</i> .
	<i>For. Rundschau</i>	82	210-214	Problems of occurrence of beech at high elevation. <i>Pillichody</i> .
	" "	4	107	Alpine species in Polish lowland flora. <i>Szafra</i> . Abs. (Sond. dr. aus Rozprawy Wydziału matemat. przyrodniczego Polskiej Ak. Umiejętności 69, S. 157, Eng. summ.)
	" "	4	214	Post-glacial development of forests of the Cévennes Mountains. <i>Firbas</i> . Abs. (Planta 11, S. 643-664, 1931.)
	" "	4	271	Climate and vegetation zones of Africa. <i>Geiger</i> and <i>Ziel</i> . Abs. (Gerlands Beitr. z. Geophysik 33, S. 292-304, 1931.)
	" "	4	416	Vegetational studies in Croatian Mts. <i>Horvat</i> . Abs. (Pubn. d. Jugosl. Ak. d. Wissens. B. 24: 1 S. 206, Zagreb, 1931.)
	" "	4	450	Forest types and regeneration conditions in Lapland. <i>Éneroth</i> . Abs. (Norrl. Skogsv. forb. Tidskr. S. 113-182, 1931.)
	<i>Internat. Rev. Agric.</i>	(T)	194-197	Composition of virgin forests in temperate regions. <i>Lunec</i> .
	<i>Det. Forstl. Forsøgsv. Dan</i>	(T)	363-369	Light and forests: recent investigation. <i>Lunec</i> .
	<i>Wien F. &amp; J. Ztg.</i>	49	176	Regeneration of heath woods in Denmark. <i>Oppermann</i> . (Ger.)
	<i>Forstarchiv</i>	7	149-157	Soil crop relationship in the Vienna forest. <i>Schwartz</i> .
	<i>Thar. For. Jahrb.</i>	82	89-103	Application of Cajander's theory of forest types in Lapland. <i>Hoheisel</i> .
	" "	82	104-137	Climate in relation to tree species. <i>Rubner</i> .
	" "	83	151-210	Forest of Turkey. <i>Bernhard</i> .
	" "	82	518-533	Extension of larch in Europe and its silviculture. <i>Rubner</i> .
	<i>Deutsche Forstzg</i>	46	57-58	Site mapping in a heath area of Lower Silesia. <i>Bermann</i> .
	<i>Oesterr. Viertel.</i>	81	57-81	Forest as a living organism. <i>Dannecker</i> .
	<i>Silva</i>	19	25-30	Natural occurrence of trees in Lower Austria, on eastern side of Alps. <i>Tschermak</i> .
	"	19	97-100	The <i>Danerwald</i> in the light of forest types theory. <i>Schmidt</i> .
	"	19	121-126	The question of change of species in forests. <i>Flury</i> .
	"	19	169	The study of plant communities and forestry. <i>Feucht</i> .
	<i>Mittg. D. Dendr. Ges.</i>	43	170-181	Relation of soil climate, locality and timber quality. <i>Kruckner</i> . 9 pp.
	<i>T. T. Jnl. " "</i>	43	317-323	Importance of choice of species for forest yield. <i>Wendl</i> .
	<i>Nature</i>	116	69-70	Alpine shrubs and their relation to climatic forest types. <i>Gayer</i> .
	<i>Lesnické Práce</i>	128	191	The forestry movement: planting of new species.
	" "	10	97-108	Illumination and tree growth. <i>Atkins</i> . Abs.
	" "	10	173-189	Influence of forests on subterranean waters. <i>Stejskal</i> .
	<i>L'Alpe</i>	18 (1)	1-9	The theory of forest types and its practical use. <i>Guth</i> . German summ. (Eng. abs. in Biol. Abs. 7: 6668, 1933.)
	"	18 (6)	331-342	Place of conifers in Italian forestry. <i>Merendi</i> .
	"	18 (11)	541-550	The cypress in Mediterranean silviculture. <i>Pavari</i> .
	"	18 (12)	595-599	Vegetation of <i>Pinus pinaster</i> and <i>Pinus pinea</i> on calcareous soils. <i>Pavari</i> .
	<i>Te Kura Nga. Tectona</i>	3	2-3	Vegetation of chestnut and beech zones in Italy. <i>Pavari</i> .
		21	1007-1016	A study of site factors in New Zealand.
				Silvicultural theories. <i>Coster</i> .
1932	<i>(Am.) Jnl. For.</i>	30	4-21	Forest conditions and quality of timber in pine. <i>Paul</i> .
	" "	30	34-38	Relation of forest site quality to tree density. <i>Lutz</i> .
	" "	30	90-91	Litter disposition in pine-oak forest in U.S.A. <i>Sims</i> .
	" "	30	451-498	Forest cover types of the Eastern U.S.A.
	" "	30	746	Site Index and plant indicators in S.E. Alaska. <i>Taylor</i> .

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Biol. Abstr.</i>	6	3364	Immigration of some British trees. Erdman. Abs. (Jour. Bot. [London] 64: 71—74, 1926.)
" "	6	12672	Beech and pine associations in the Crimea. Poplavskau. Abs. (Dnevnik. Vsesoiuznogo Siedza Botanikov, Leningrad, 1928: 257—258, 1928.)
" "	6	15337	Solar radiation an ecological factor. Ivanov. Abs. (Bull. Appl. Bot. Gen. and Plant Breed. 18: (5): 345—368, 1928.)
" "	6	15345	The forest ecological relations of Central Asia. Krause. Abs. (Naturwiss. 16 (5): 73—75, 1928.)
" "	6	15378	Forest succession in Switzerland. Stark. Abs. (Ber. Sencknerbergische Naturforsch. Ges. (Natur. u. Mus.) Frankfurt a/M. 59 (2): 82—94; (3): 151—160, 1929.)
" "	6	18274	Underbrush of Danish beech woods. Wimstedi. Abs. (Bot. Tidsskr. [Copenhagen] 41 (2): 81—89, 1930.)
" "	6	21331	Forest succession in S. Schwarzwald. Broche. Abs. (Ber. Naturf. Ges. Freiburg i. Br. 29 (1/2): 1—243, 1929.)
" "	6	21337	Forest history of peat bog in Central Vosges. Dubois and Hatt. Abs. (Bull. Soc. Geol. France 30 (9): 1027—1041, 1930 (1931.)
" "	6	21345	Phytosociology of forest of Kampinos, Poland. Kebenda. Abs. French résumé. (Planta Polonica (Contrib. Flora Polonae) 2: 1—200, 1930.)
" "	6	21350	Minimal area in forest associations. Noskova. Abs. (Dnevnik. Vsesoiuznogo Siedza Botanikov 1829: 253—254, 1928.)
" "	6	21351	Discussion and bibliography of forest type theory. Palmgren. Abs. (Acta Zool. Fennica 6: 1—51, 1928.)
" "	6	21352	Factors controlling distribution of trees in Victoria. Patton. Abs. (Proc. Roy. Soc. Victoria 42 (2): 154—210, 1930.)
" "	6	21360	Evolution of vegetation in S. Urals. Tulinia. Abs. (Dnevnik. Vsesoiuznogo Siedza Botanikov 1928: 260, 1928.)
" "	6	2446	Lichens in relation to forest site values. Brinkman. Abs. (Bryologist 33 (5): 66—71, 1931.)
<i>Jul. For. Suisse</i>	83	53—56	Rainfall and afforestation in Joux Valley in Switzerland. Aebert.
<i>Bull. S. Fr.-Comté</i>	83	258—263	The role of exotics in European forests. Hiekel.
	19	306—307	Increment and yield of pure and mixed crops compared. Flury. Abs.
<i>Bull. S. F. Belgique</i>	19	328—336	The light factor in the selection system. Ducamp.
<i>Mal. For.</i>	35	728—739	The function of light in the forest. Luncz.
" "	1	111—112	Light requirements of Malayan trees. Sanger-Davies.
" "	1	137—139	Light requirements of Malayan trees. Wilson.
<i>Scot. For. Jul.</i>	1	186—192	Artificial v. natural regeneration in Malaya. Oliphant.
" "	46	59—62	Effect of elevation on growth of Douglas fir. Donald.
" "	46	67—68	Climatic humidity and effect on soil, vegetation and forest. Hesselman. Abs.
<i>Rev. E. &amp; F.</i>	70	19—24	Order in nature and forest ecology. Ducamp.
" "	70	303—306	Strategy and tactics: their meaning in forestry. Potel.
<i>Ind. For.</i>	58	507—568	Study of spectrum in choice of species for underplanting Trinuriti.
" "	58	610—615	European research on root competition. Champion.
" "	58	616—619	An ecological classification for forests. Gaillard.
" "	58	632—644	Effect of length of daylight on plant development.
<i>Sven. Sk. Tids.</i>	27	400—401	The climate of forest and other plant associations. Wallen.
<i>Quar. Jnl. For.</i>	26	285—288	Plant indicators.
<i>Emp. For. Jnl.</i>	11	42—52	Measurement of daylight and plant growth. Atkins.
<i>Centralbl. f. d. g. Forstw.</i>	58	11—20	Climatic possibility of cultivation of coastal Douglas fir in Austria. Schwarz.
" " "	58	65—68	Possibility of introducing <i>Juglans nigra</i> to Austria. Schwarz.
" " "	58	73—106	Natural occurrence of larch and other species and their ecological relationship in Lower Austria. Tschermak.
<i>Mitg. D. Dendr. Ges.</i>	41	184—207	Ecology of the Cypress swamps of Florida. Uphof.
" " "	44	211—216	Classification of species making up the Fagatum, Castanetum and Pinetum of N. America. Schwarz.
" " "	44	219—239	Forest types in Scots pine woods of Brandenburg. Ulbrich.
" " "	44	251—259	Use and application of ground flora in forest types. Müller.
<i>Deutsche Forstzg.</i>	47	395—396	Ecological studies on upper tree limit on Alps. Michaelis.
" " "	47	1016—1017	Experiments on spruce and its demands on the locality. Bindseil.

## FOREST BIBLIOGRAPHY '10 1933: PART 1

PERIODICALS	VOL	PAGE	BRIEF PARTICULARS
<i>1932</i>			
<i>Forstarchiv</i>	8	2-7	Change of species in forestry. <i>Rubner</i> .
"	8	7-11	Natural extension of forest trees in Germany according to pollen analysis. <i>Rudolph</i> .
"	8	20-26	Effect of forest hollows in depressing forest zones in mountain regions. <i>Aichinger</i> .
"	8	27-32	Is <i>Fagus sylvatica</i> the mother of the forest? <i>Tuxen</i> .
"	8	32-39	Constitution and extension of natural spruce communities. <i>Hartmann</i> .
"	8	39-45	Natural occurrence of spruce in S. Lüneburger Heide. <i>Hesmer</i> .
"	8	73-76	Problems of forest development in N. Germany. <i>Hesmer</i> .
"	8	282-289	Natural silver fir mixed woods in gneiss area in Baden. <i>Seeger</i> .
<i>Allg. F. &amp; J. Ztg.</i>	108	333-339	Relation of forest types and temperatures. <i>Lang</i> .
	108	196-203	Site and crop conditions in optimum region of coastal Douglas fir in N. America. <i>Schwarz</i> .
" "	108	317-329	Practical importance of study of plant communities in forestry, especially in silviculture. <i>Hartmann</i> .
" "	108	387-392	Most important species occurring mixed with coastal Douglas fir in its natural region. <i>Schwarz</i> .
(Hung.) <i>Erd. Kis</i>	34	1-63	Observations on soil acidity in north and central European forest soils. <i>Fehér</i> and <i>Kiss</i> . (Ger. Sum., pp. 61-63.)
" "	34	83-93	Microflora of salt and alkaline soils with special reference to their improvement. <i>Bokor</i> .
<i>Silva</i>	20	89	Means and aims in forest ecological investigations. <i>Kruedener</i> . 20 pp.
"	20	105-108	Growth of grasses in selection forests. <i>Steber</i> .
"	20	225-229	Considerations in virgin forest. <i>Schmidt</i> .
"	20	252-254	Effect of humidity of climate in Sweden on soil, vegetation and forest. <i>Hesselmann</i> .
"	20	281-287	Exact importance of climate as factor of locality. <i>Lang</i> .
"	20	385-386	Meaning of soil bacteria to the forest site. <i>Lang</i> .
<i>For. Worker</i>	8 (1)	8	Fringes of the South-western pine type. <i>Randles</i> .
" "	8 (1)	19-20	Danish beech forests. <i>Ostenfeld</i> .
" "	8 (1)	24	Fire—its influence on biotic communities and physical factors in South and East Africa. <i>Phillips</i> . Review.
<i>Science</i>	75	366	Forest succession in Mt. Michigan bog as shown by pollen grains. <i>Potzger</i> .
<i>S. d'sche F. &amp; J. Ztg</i>	32	2-7	Factors of locality in relation to yield. <i>Holoubek</i> .
" "	32	190-195	The larch question in Central Europe. <i>Tschermak</i> .
<i>Forstw. Centralbl</i>	32	221-226	Application of pollen analysis in forestry. <i>Rudolph</i> .
" "	76	15	Larch sites in and outside its natural region. <i>Lang</i> . 52 pp.
" "	76	333-342	Natural and artificial regeneration of virgin forests in S.E. Europe. <i>Froehlich</i> .
" "	76	479-491	Development and stratigraphy of various Bavarian moors and relation to local forest history. <i>Ruoff</i> .
<i>Zentschr. F. &amp; J.</i>	64	193	Influence of locality on growth of pine in N. Germany. <i>Ganssen</i> . 64 pp.
" "	64	468-488	<i>P. resinosa</i> and <i>Liriodendron tulipifera</i> : two little known trees for planting in Europe. <i>Heiberg</i> .
" "	64	577-605	Development of forests in N.W. German lowlands. <i>Hesmer</i> .
<i>For. Rundschau</i>	5	157	Tree succession in <i>Picea jezoensis</i> forests in Hokkaido. <i>Sakai</i> . Abs. (Goryorin 33, S. 26-45, 1931.)
" "	5	160	Relation of tree species, crop form and regeneration possibilities. <i>Nakajima</i> . Abs. (Ringaku-kai Zasshi 13, S. 136-152, 1931.)
" "	5	204-205	Ecological studies on upper tree limit in the Alps. <i>Michaelis</i> . Abs. (Berichte d. Dt. Botan. Ges. 50, S. 31-42, 1932.)
" "	5	212-213	European beech forests. <i>Rubel</i> . Abs. (Veröffentlichungen d. Geobotan. Inst. Rübel, Zürich. Heft 8, S. 502, 1932.)
" "	5	213-214	Recognition of Swiss forest associations. <i>Braun-Blanquet</i> . Abs. (Station Int. de Géobot. Méditerr. et Alp., Montpellier. Communication No. 17. Beih. 2 Bot. Zentralbl 49. Erg.-Bd. 7-42, 1932.)
" "	5	360	Development of frost damage in beech stands. <i>Kryszik</i> . Abs. (Sylvan. 49, S. 418-424, 1931. Mit dtsch. Zus.)

## SILVICULTURE—GENERAL

PERIODICALS	VOL.	PAGL.	BRIEF PARTICULARS
<i>For. Rundschau</i>	5	366	Research on growth of <i>Quercus pedunculata</i> on Roumanian plains. <i>Chirita et al.</i> Abs. ( <i>Revista padurilor</i> , 43, S. 745—770, 1931. Mit fr. and dtch. Zus.)
" "	5	373	Introduction of quick growing spp. in Soviet forestry. <i>Nikitin.</i> Abs. ( <i>Forstwirtschaft und Waldansbeutung</i> Nr. 10, S. 41—44. Leningrad, 1932.)
" "	5	380	Biological soil problems of modern silviculture. <i>Fehér.</i> Abs. ( <i>Erde- und Lapolk</i> 71, S. 748 (43S), 1932.)
<i>Ecology</i>	13	381—391	Successional trend and its relation to second growth forests in S.E. Alaska. <i>Taylor.</i>
<i>T. T. Jnl.</i>	122	608	Conifers of Scotland.
<i>Wien. F. &amp; J. Ztg.</i>	50	47	Importance of forest ecology in regulation. <i>Schmidt.</i>
<i>Thar. For. Jährb.</i>	83	239	Forest regions in the Thuringian forest. <i>Schaber.</i>
" " "	83	281—302	Site and crop quality in Saxony. <i>Putschier.</i>
" " "	83	444—457	Floral types of Ore Mts. and their relation to increment of spruce woods. <i>Mere.</i>
<i>L'Alpe</i>	19 (11—12)	387—394	Mediterranean maquis and Italian silviculture <i>Merendi.</i>
<i>Te Kura Nga.</i>	3	54—61	The life history of the Westland Rimu stands. <i>Hutchinson.</i>
<i>Lesnická Práce.</i>	3	88—92	An ecological study of Kauri forest in N. Auckland. <i>Latter.</i>
" " "	11	1—9	Succession of plants in silviculture. <i>Klka.</i>
" " "	11	483—496	Observations on effect of moon and sun on forest trees <i>Polansky.</i>
<i>Tectona</i>	25	37—49	Experiments in the cultivation of ironwood. <i>de Jong.</i>
<b>1933</b>			
<i>Jnl. Ecol.</i>	21	7—27	Altitudinal zonation of forests in Uganda. <i>Snowden.</i>
" "	21	28—43	The forest ecology of Mpawpa, Tanganyika. <i>Greenway.</i>
" "	21	350—384	Tropical rain forest, Moraballi Creek, British Guiana. <i>Davis and Richards.</i>
" "	21	180	Lichens in relation to forest site values. <i>Brinkman.</i> Abs.
<i>Biol. Abs.</i>	7	7036	Arctic limit of birch forest in Lapland. <i>Stocker.</i> Abs. ( <i>Jahrb. Wiss. Bot.</i> 75 (3): 491—519, 1931.)
" "	7	10270	Pollen analysis of post-glacial forest types of the Vosges, Dubois and Hatt. Abs. ( <i>Compt. Rend. Acad. Sci. [Paris]</i> 191 (16): 674—675, 1930.)
" "	7	10277	Forest tree climax as shown by pollen analysis in Bohemia. <i>Rudolph.</i> Abs. ( <i>Naturwiss Zeitsch. Lotos</i> 79 (1): 93—117, 1931.)
" "	7	12728	Density and frequency of trees in Donaldson's Wood, Indiana. <i>Carr.</i> Abs. ( <i>Proc. Indiana Acad. Sci.</i> 41: 105—122, 1932.)
" "	7	17891	Light and vegetation in beech forest. <i>Erman.</i> Abs. ( <i>Bot. Notiser</i> 1932 (1/2): 67—80, 1932.)
" "	7	17929	Climatic fluctuations and tree growth and distribution. <i>Turesson.</i> Abs. ( <i>Kungl. Fysioogr. Sällsk Lund, Forhandl.</i> 2 (4): 1—35, 1932.)
" "	7	19327	Relation between growth and stand density in pine. <i>Wojcynski.</i> Abs. German summ. ( <i> Roczniki Nauk. Polonici Léśnych</i> (Polish Agric. and Forest Ann.) 27 (2): 227—261, 1932.)
" "	7	20502	Influence of biotic factors on vegetation. <i>Holmsen.</i> Abs. ( <i>Arch. Math. og Naturvidensk.</i> Oslo 40 (1/2): 11—23, 1928.)
(Am.) <i>Jnl. For.</i>	31	14—18	Site prediction in virgin forests. <i>Taylor.</i>
" " "	31	311—317	Factors influencing choice of species in artificial reforestation. <i>Heitberg.</i>
" " "	31	318—321	Aspen competition in Norway pine plantations. <i>Eyre.</i>
" " "	31	573—577	Drought injury in hemlock-hardwood stands in Connecticut. <i>Stichel.</i>
<i>Centralbl. f. d. g. Forstw.</i>	31	934—942	Climatic change as a factor in forest succession. <i>Seart.</i>
" " "	59	65	Contribution to problem of deforestation in Tirol. <i>Schreckenthal.</i> 39 pp.
" " "	59	110—125	Douglas fir ( <i>Pseudotsuga taxifolia</i> ) regions in Europe. <i>Schwarz.</i>
" " "	59	206—215	Forest development in Central Europe. <i>Tschadok.</i>
" " "	59	237	Climatic and edaphic basis of forest distribution and site quality in Salzburg. <i>Domes.</i> Review.
<i>Quar. Jnl. For.</i>	27	32—38	Silvicultural value of exotics in Ireland. <i>Forbes.</i>
" " "	27	281—290	Silviculture: its meaning and functions. <i>Barrington Moore.</i>

## FOREST BIBLIOGRAPHY TO 1933. PART I

PERIODICALS	VOL	PAGE	BRIEF PARTICULARS
<i>Quar. Jnl For.</i>	27	297-303	Trees for calcareous soils. <i>Turner</i> .
<i>Silva</i>	21	9-13	Artificial or natural regeneration of Scots pine. <i>Vanselow</i> .
"	21	17-22	Effect of planting distance on pine. <i>Baader</i> .
"	21	27-29	Forest psychology and principles of Philipp. <i>Dieterich</i> .
"	21	145-152	Forest ecological society meetings and course for 1932. <i>Hang</i> .
"	21	161	Ecological and sociological characteristics of north German forests. <i>Hartmann</i> . 23 pp
"	21	201-205	Recovery of wood attacked by pine noctuid. <i>Liese</i> .
"	21	213-215	Report of Prussian research institute on beech. <i>Zimmerle</i> . 10 pp.
"	21	225-230	Struggle for existence in forestry. <i>Vanselow and Dieterich</i> .
"	21	324-326	Aims of selection in science and practice. <i>Lotsch</i> .
"	21	329	Effect of storm Nov. 1930 on Douglas pine in Wurttemberg <i>Zimmerle</i> . 10 pp.
"	21	369-371	How can we produce branch tree boles? <i>Windset</i> .
"	21	393	Adaptability of young silver fir when planted under very different light intensity. <i>Gaisberg and Huber</i> .
<i>Mal. For.</i>	2	107-117	Secondary growth on rain forest sites in Malaya. <i>Symington</i> .
<i>Forstw. Centralbl.</i>	77	55-67	Ecological observations of Deccan evergreen forest zone. <i>Kadambi</i> .
" "	77	67-71	Ground water influence on Scots pine in coastal dune areas. <i>Holstein</i> .
" "	77	113-126	Silvicultural value of trees producing seeds eaten by birds. <i>Fischer</i> .
" "	77	199-211	Yield research on beech, Scots pine mixed forest. <i>Schober</i> .
" "	77	358-366	Natural regeneration of valuable spp. in Brazilian mixed coastal forests. <i>Freise</i> .
" "	77	383	Edaphic and ecological basis of forest distribution and site quality in Salzburg. <i>Domes</i> . 40 pp.
" "	77	652-655	Microbiological investigations of forest floor. <i>Fehr</i> . Review.
" "	77	773	Is not value of following nature overrated? <i>Wiegall</i> . 21 pp.
" "	77	813-866	Racial or local site types. <i>Lautenbach</i> .
<i>Allg. F. &amp; J. Ztg.</i>	109	1-19	Increase of income by increase of quality. <i>Stephani</i> .
" "	109	25	Meaning of forest types for Germany. <i>Schmitt</i> .
" "	109	55-58	Rationalized silviculture. <i>Philip</i> . Review.
" "	109	79-84	Recognition of site by internal signs. <i>Schwarz</i> .
" "	109	173	Early history of conifer plantation and distribution of species in Hessen. <i>Innemel</i> . 26 pp.
" "	109	323-326	Best German climatic conditions for beech. <i>Schwarz</i> .
" "	109	349	Growth form of Scots pine in Germany. <i>Vanselow</i> . 40 pp
" "	9	53-59	Place of forest types in vegetation classification. <i>Gams</i> .
" "	9	59-65	Wurttemberg spruce site types. <i>Gaisberg and Schmid</i> .
" "	9	65-72	Larch and beech mixtures in Ostalpen. <i>Tschermak</i> .
" "	9	163	Reply to Wiedemann's criticism of accuracy of Oelkers' figures. <i>Oelkers</i> . 12 pp.
" "	9	221-222	Storm danger and adaptability. <i>Fritzsche</i> .
" "	9	323	Age and origin of humus sites in Erdmannshausen forest range. <i>Hesmer</i> . 19 pp.
<i>Zeitschr. F. &amp; J.</i>	9	384	Silviculture of forest of Neuruppin. <i>Haussendorff</i> .
"	65	58-61	Is there soil fertility decrease through natural regeneration? <i>Kleemann</i> .
" "	65	144-151	<i>Quercus sessiliflora</i> in East Prussia. <i>Gross</i> .
" "	65	289-322	Cleaning of beech trees. <i>Gelinsky</i> .
" "	65	401-426	Oak-beech mixed woods. <i>Swart</i> .
" "	65	505	Natural stocking and forest development of sites in Mark, Eberswalde. <i>Hesmer</i> . 94 pp.
<i>Ecology</i>	14	1-14	Successional relations in the long-leaf pine belt, Lower Gulf Coastal Plain, U.S.A. <i>Pessin</i> .
"	14	61-69	Hardwood invasion in a comparatively old white pine afforested area. <i>Young</i> .
"	14	272-285	Twenty year record of changes in an Arizona pine forest. <i>Pearson</i> .
<i>Forestry</i>	14	323-333	Soil reaction and forest types in Duke forest, U.S.A. <i>Coile</i> .
<i>Deutsche Forstwirt</i>	7	85-92	Oak woodlands on clay in S.W. England. <i>Barrington Moore</i> .
" "	15	129-130	Production of valuable beech timber. <i>Härtner</i> .
" "	15	241-243	Creation of pine and beech mixed stands in Danzig state forest of Stangenwalde. <i>Samson-Himmelsterna</i> .
" "	15	283	Importance of soil for larch sites. <i>Lang</i> . 4 pp



FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1933			
<i>For. Rundschau</i>	6	201	Influence of trees on water table. <i>Dubach</i> . Abs. (Forstwirtschaft und Waldausbeutung Nr. 9, S. 32—34, Leningrad, 1933.)
" "	6	218	Relation of soil and flora. <i>Yagi</i> . Abs. (Erdészeti Lapok 72, S. 36 [S. 49], 1933.)
" "	6	219	Shade or root competition? <i>Magyar</i> . Abs. (Erdészeti Lapok 72, S. 128—175, 1933.)
" "	6	229	Soil site types. <i>Till</i> . Abs (Bodenkundl. Forschungen 3, S. 163—195, 1933.)
" "	6	258	Forest types of northern Anatolia. <i>Baseler</i> . Abs. (Mittig. a. d. Inst. t. Ausland. u. Koloniale Forstwirtschaft. H. 2, 1933.)
" "	6	421	Sakhalin natural forest plant types. <i>Uyeda</i> . Abs. (Kyoto-Daigaku Enskurin Hokoku (Mittig. d. Kais. Univ. Kyoto) 6, S. 1—331, 1933.)
" "	6	433	Pine forest types of central Poland and their importance for forestry. <i>Niedzialkowski</i> . Abs. (Dowiadczalnictwo Lesne 3, S. 134—150, 1933. Mit dtch. Zus. A. d. Inst. t. Forsteinrichtung u. Zuwachslehre d. Hochsch. t. Bodenk. in Warszawa.)
" "	6	439	Influence of cold winters on increment in Poland. <i>Ziobrowski</i> . Abs. (Acta Soc. Bot. Polon. 10, S. 49—111, 1933. Mit dtch. Zus.)
" "	6	446	Biological stand structure, and increment. <i>Jezierski</i> . Abs. (Dowiadczalnictwo Lesne 2, S. 132—152, 1933. Mit dtch. Zus.)
" "	6	448—449	Biological and ecological effect of various thinning methods of Scots pine in Poland. <i>Szydlowski</i> . Abs. (Dowiadczalnictwo Lesne 3, S. 175—133, 1933. Mit dtch. Zus. A. d. Inst. t. Forsteinrichtung u. Zuwachslehre d. Hochsch. t. Bodenk. Warszawa.)
" "	6	453	Ecological importance of underplanting in Roumanian plains. <i>Chirita Balanica</i> . Abs. (Revista padurilor 44, S. 439—458, 1932. Mit dtch. u. fr. Zus.)
" "	6	464	Biochemical effect of litter on soil and stand. <i>Nemeč</i> . Abs. (Ann d. landwirtsch. Versuchsanstalten der Tschechosl. H. 103, S. 100, 1933.)
" "	6	475	Forestry in East Carpathian natural forests. <i>Ricky</i> . Abs. (Erdészeti Lapok 71, S. 1066 [39 pp.] 1932: 72, S. 55 [25 S.] 1933.)
Mittg. D. Dendr. Ges	45	204—211	Climatic and aspect factors in relation to limit of tree growth. <i>Hein</i> .
<i>Ztschr. f. Weltf.</i>	1	23—24	Latvian forests and forestry. <i>Lähr</i> .
" "	1	18—50	Estonian forests and forestry. <i>Lähr</i> .
" "	1	65	Quick growing spp. for forestry and industry. <i>Guman</i> . Abs.
" "	1	67—73	Forestry and forest policy in Yugoslavia. <i>Hufnagl</i> .
" "	1	77—108	Thinning in wattle culture and plantations of exotic conifers. <i>Craig</i> .
" "	1	113—117	Manchurian forests as a credit basis for capital investment. <i>Fenzel</i> .
<i>Lesnická Práce</i>	1	191—192	Burnt area at Sborno-Dimitrijewsk.
	12	487—515	Climatic and ecological research in thinning. <i>Sigmund</i> .
" "	12	554—591	Dutch elm disease and the choice of supplementary species <i>Zabka</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>	33	9	Position of beech and spruce in economic forests. <i>Reuss</i> . 18 pp
" " "	33	69	Do spruce stands have an adverse biological effect? <i>Loffelmann</i> . 18 pp
<i>Sven. Sk. Tids</i> (Hung.) <i>Erd. Kis.</i>	31	145—214	Ecology of birch, fir and spruce in Norway. <i>Engquist</i> .
" " "	35	78—118	Natural reproduction and surface vegetation. <i>Magyar</i> .
" " "	35	139—227	Ecological principles of sand dune planting on Danube. <i>Magyar</i> .
" " "	35	228—260	Anatomical influence on growth of spruce. <i>von Torok</i> .
" " "	35	396—450	Studies of forest types in Borzsonyer and Bükk mountains. <i>Magyar</i> .
" " "	35	451—486	Relationship of natural reproduction to soil vegetation. <i>Magyar</i> .
<i>Thar. For. Jahrb.</i>	84	761—802	Methods of research into crop history in Germany <i>Loetsch</i>

### SILVICULTURE—GENERAL

OTHER PUBLICATIONS	NO.	SIMPL. MARK.	BRIEF PARTICULARS
1888 Mich. For. Com. Rpt.		RS/USA/AR	Forest succession in N. Michigan. Pp. 25—29.
1889 Govt. Report. Natal		RS/Natal/Gen.	Forest vegetation of countries with climate analogous to Natal. <i>Fourcade</i> . Pp. 181—199.
1892 Mitt. Schw. Centr. forstl. Versuchsw.	2	BNF/Switz.	Growth of spruce, silver fir and larch on different soils, aspects and gradients. <i>Henne</i> . Pp. 1—14.
1893 Govt. Publn. H.M.S.O. " " " " " " " " "	SS SS/Ju 1 SS 2 SS	Selection of species for forest crops, etc. <i>Nisbet</i> . Soil and situation in relation to forest growth. <i>Nisbet</i> . Pp. 22—29. Mixed forests: advantages over pure forests. <i>Nisbet</i> . Underplanting light-demanding trees. <i>Nisbet</i> .	
1895 Mitt. Schw. Centr. forstl. Versuchsw. " " " "	4 4	BNF/Switz. BNF/ "	Relative growth on varying soil <i>Badoux</i> . Pp. 175—188. Development of young trees <i>Flury</i> . Pp. 189—202.
1899 Repr. Bull. de la Soc. des Sciences de Nancy	SS		Increment of standards after removal of coppice. <i>Henry</i> .
1900 Notes Bot. Gard. Edin.	SS		Girth increment of deciduous trees <i>Christison</i> .
1903 Forstl. Verhältnisse der Baltischen Provinzen, Riga	B.t.c		Forestry relations of the Baltic provinces. <i>Stvers</i> .
1904 Mitt. Forstl. Versuchsw. Oester. 30	BNF/Austra		Influence of light on ground flora. <i>Cieslar</i> .
1905 Pamph. Com. For. Capetown	SS/B7		Extra-tropical forestry in S. Africa <i>Hutchins</i> . 13 pp.
1906 Repr. Forstl. Versuchs. Marabrunn, Wien Worshipful Co. of Carpenters Pubn.	SS/C.5 SS		Mosses and lichens in research plots in Great Pine Forest. <i>Zederbauer</i> . Adaptation of land for afforestation.
1907 Leitfaden b. Stud. d. Forstwiss. Wageningen	SS		Studies in silviculture. <i>Schermbek</i> .
1909 Pamph. Anleitung zur Standorts- und Bestandesbeschreibung beim forstlichen Versuchswesen, Neudamm	SS		Guide to locality and crop description.
D.A. For. Serv. Cir.	161	BNA	Forest planting in W. Kansas. <i>Kellogg</i> .
1910 2nd Int. Stockholm Agrogeol. Konferenz	BNI		Botanical research on peat layers of Swedish moorlands <i>Haglund</i> . Pp. 168—177.
1911 D.A. For. Serv. Bull. Ind. For. Mem. "	85 92 1.1	BNA BNA BNB	Chaparral in S. California. <i>Plummer</i> . Light in relation to tree growth. <i>Zon and Graves</i> . Some Indian grasses and their ecology. <i>Hole</i> .
1912 D.A. For. Serv. Bull Repr. For. Club Ann. Univ. Nebraska, Vol. 4. Int. Rpt. Pedology, Berlin	96 2	BNA DNA BNI	Second growth hardwoods in Connecticut. <i>Frothingham</i> . Forest conditions in N.W. Nebraska. <i>Pool</i> . Relation between soil, vegetation and climate in E. Frisian Islands. <i>Schacht</i> . (Ger.) Pp. 483—532.
1913 Art. For. Fenn. Ind. For. Rec.	1 4.3 4.3	BNF/Finland BNF/ " BNB "	On forest types. <i>Cajander</i> . (Ger.) Pp. 1—175. Studies on the moors of Finland. <i>Cajander</i> . (Ger.) Useful exotics in Indian forests. <i>Hole</i> .

## FORLST BIBLIOGRAPHY TO 1933: PART 1

1913	OTHER PUBLICATIONS	NO	SHELF MARK	BRIF PPARTULRS
1913	Int For Cong Touring Club Paris	1	BNI	Chemical manures in silviculture. <i>Caquet.</i>
	" " "	1	BNI	Improvement of poor coppice by introduction of conifers <i>Schaeffer.</i>
	" " "	3	BNI	Exotic and naturalised species. <i>Hickel.</i>
1914	Medd. Stat Skogs. f. Sweden	11	BNF/Sweden	Floristic analysis method. <i>Lagerberg.</i> (Eng. abs. in Am. For. Quar. Vol. 13, 1915 Pp. 249-250)
	Mitt Schw. Centr. forstl. Versuchsw	11.1	BNI Switz	Spectrophotometric experiments in forest. <i>Knuchel.</i> Pp. 1-91. (Eng. abs. in Am. For. Quar. Vol. 13, 1915. Pp. 90-92.)
	Carnegie Inst. Pubn	192	BNA	Growth of trees as a means of measuring rainfall. <i>Douglas.</i> Pp. 101-121.
	" " "	192	BNA	Climatic factor in arid America. <i>Huntington et al.</i>
	Repr. Jnl. Dept. Agr. Ireland	199	BNA	A Montane rain forest. <i>Shreve.</i>
		SS		Artificial production of vigorous trees. <i>Henry.</i>
1915	Act For Fenn	4.1	BNF/Finland	Surface erosion and hummock formation in peat bogs <i>Tanttu.</i> (Ger.)
	" " "	4.2	BNA/ "	Ecological influence of broadcast burning in regeneration of Finland's forests. <i>Heikinheimo.</i> (Ger.)
	" " "	5.2	BNA "	Possibility of afforesting moorland swamps in Finland. <i>Tanttu.</i> (Ger.) Pp. 1-213.
	Carnegie Inst. Pubn.	217	BNA	Vegetation of desert mountain range and climatic factors <i>Shreve.</i>
1916	Int Rpt Pedology, Berlin.	6.2/3	BNI	Analysis of locality as basis for estimating its influence on plant life. <i>Vater.</i> P. 159 53 pp.
	Thesis Nebraska Univ.	SS/B 2		Ecological investigations on germination of forest trees <i>Boerler.</i>
	Pamph Nendammer forstliche Belehrungsliefe	SS/B 5		Forest fertilizers <i>Schwappach.</i>
	Vt Agr Expt. Sta Bull	193	BNA Vermont	Discontinuous light in forests. <i>Burns.</i>
	N Y. Bot Gdn Mem.	6	BNA	Plant ecology and the new soil fertility. <i>Lipman.</i> Pp. 319-321.
1917	Neb. Univ. Bot Survey	1	BNA	Ecology of tension zone between prairie and woodland <i>Weaver and Thiel.</i>
	Act. For Fenn.	6.1	BNF/Finland	Growth of different pine types in Finland. <i>Ilvesalo.</i> (Ger.)
	" " "	6.3	BNF/ "	Forest types in spruce woods of Mittelgebirges. <i>Björkenheim.</i> (Ger.)
1918	Repr. Jnl. Proc. Astatic Soc. Bengal	14.6	SS	Plant ecology in India. <i>Hole.</i>
	Extr. Bot. Gaz	66	SS	Limiting factors in relation to specific ranges of tolerance of forest trees. <i>Hutchinson.</i>
	Neb. Univ. Bot. Survey	2	BNA	Study of ecotone between prairie and woodland. <i>Pool et al</i>
1919	Repr. Proc. Roy. Soc. Victoria	2	SS	Growth of common hardwoods. <i>Patton.</i>
	Repr. Plant World	22.9	SS	Vegetation as criterion of site <i>Korsian.</i>
	Carnegie Inst. Pubn	286	BNA	Vegetation of Philippine mountains <i>Brown.</i>
	" " " Comm. Quaest. For. Finl.	289	BNA	Climatic cycles and tree growth. <i>Douglas.</i>
	Philip. Bur. For. Bull.	1	BNF/Finland	Natural regeneration of heathland forests in Fianish Lapland <i>Aaltonen.</i> Pp. 1-319.
1920				Ecological relations of roots. <i>Weaver.</i>
	Act. For. Fenn.	14.3	BNF/Finland	Origin and development of Scots pine woods of N. Polar regions <i>Latsila.</i> (Ger.)
	" " "	14.4	BNF/ "	Forest types of N. Finland. <i>Lakari.</i> (Ger.)
	" " "	15.4	BNF/ "	Effect of forest types on yield. <i>Ilvesalo.</i> (Ger.)
	" " "	16.3	BNF/ "	Relation between moor types and surface layers of moor. <i>Lukkala.</i> (Ger.)
1920	Comm. Quaest. For. Finl.	2.1	BNF/ "	Increment of spruce and pine on thick moss types in N. Finland. <i>Lakari.</i> (Ger.)
	" " " "	3.4	BNF/ "	Bog formation in Central Finland. <i>Auer.</i>

## SILVICULTURE—GENERAL

OTHER PUBLICATIONS	NO.	SILVICULTURE	BRIEF PARTICULARS
1921			
<i>B.E.F.C. Proc. Resolutions and Summ. Statements Carnegie Inst. Pubn.</i>	284	RS/Br. Isle/ Gen.	Regeneration, natural and artificial. <i>Troup et al.</i> Pp. 109—118.
<i>Art. For. Fenn.</i>	307	BNA	Distribution of vegetation in U.S. as related to climatic conditions. <i>Livingston and Shreve.</i>
" " "	192	BNF/Finland	Growth in trees. <i>MacDongal.</i>
" " "	20	BNF/ "	Biology of pine woods on N. boundary and causes of recession from it. <i>Heikinheimo.</i>
<i>Comm. Quaest. For. Finl.</i>	20	BNF/ "	General observations on forest types in Finland. <i>Cajander and Ilvesalo.</i> Pp. 1—77.
" " " "	43	BNF/ "	On forest types, XI. <i>Cajander and Ilvesalo.</i>
" " " "	45	BNF/ "	Forests of Finland on N. tree limit, and their future utilization. <i>Heikinheimo.</i>
" " " "			Forest and moor types of Kuusamo, Finland, and the spruce forest region south of it. <i>Kuusamo.</i>
1922			
<i>Austral. For. Conf. Rpt.</i>		RS/Queens-land/Gcn.	Redistribution of tree life as it affects Australian and Tasmanian forestry. <i>Iby.</i> Pp. 58—61.
" " " "		RS/Queens-land/Gcn.	Silvicultural problems in South Queensland. <i>Petrie.</i> Pp. 79—81.
" " " "		RS/Queens-land/Gcn.	Silvicultural work in New South Wales <i>Hay.</i> Pp. 83—87
<i>D.A. Bull.</i>	1059	BNA	Research methods in the study of forest environment. <i>Bates and Zon.</i>
<i>Mitt. Schw. Centr. Forstl. Versuchsw.</i>	13.1	BNF/Switz.	Physical properties of forest and cleared land soils. <i>Burger.</i>
<i>Oxford For. Mem.</i>	1	BNB	Relation between height-growth of trees and meteorological conditions. <i>Hiley and Cunliffe.</i>
<i>Burma For. Bull.</i>	4	BNB	Extracts from silvicultural section of animal reports 1920—1921.
<i>Act. For. Fenn.</i>	22.1	BNF/Finland	Floristics of coniferous forest of Aland. <i>Palmgren.</i> Pp. 1—115.
" " "	22.3	BNF/ "	Distribution of agricultural settlements in Finland in relation to the forest types. <i>Linkola.</i> Pp. 1—67.
1923			
<i>Act. For. Fenn.</i>	20.1	BNF/Finland	On forest types. <i>Cajander.</i> (Ger.) Pp. 1—77.
" " "	20.2	BNF/ "	Forest types. <i>Cajander.</i> Pp. 1—8.
" " "	20.3	BNF/ "	Researches on the vegetation statistics of forest types. <i>Ilvesalo.</i> (Ger.) Pp. 1—73.
" " "	21.1	BNF/ "	Relations between climate, soil and vegetation. <i>Cajander.</i> (Ger.) Pp. 1—32.
" " "	24	BNF/ "	Cultivation of exotic species. <i>Cajander.</i> Pp. 1—15.
" " "	25	BNF/ "	Forest distributional survey of Finland. <i>Cajander.</i> Pp. 1—12.
" " "	25.2	BNF/ "	Relation between increment and utilization in Finland. <i>Cajander.</i>
" " "	25.10	BNF/ "	Correlation between soil properties and increment. <i>Ilvesalo.</i> Pp. 1—31.
<i>S. Afr. F. D. Bull.</i>	7	BNB	Tree planting in E. Guigueland. <i>Kaufman.</i>
<i>D. A. Bull.</i>	1176	BNA	Results of cutting in Sierra forests. <i>Dunning.</i>
<i>Ill. Nat. Hist. Survey</i>		RS/USA/ Gen.	Forest types in Illinois. <i>Miller.</i>
<i>Vi. Agr. Exp. Sta. Bull.</i>	235	BNA/ Vermont	Minimum light requirements of forest trees. <i>Burns.</i>
<i>Proc. Emp. For. Conf.</i>	RS/Br. Isles Gen.		Shifting cultivation. <i>Ainslie.</i> Pp. 325—340.
<i>Medd. Norsk. Skog.</i>	1 (1)	BNF	Larch of German origin in Norway. <i>Eide.</i>
<i>Ann. Nat. L. &amp; F. Nancy</i>	4	BNF	Forest types and associations in Denmark. <i>Perrin.</i> Pp. 14—30.
<i>Bull. Com. For. Paris</i>	21	BNF	Agricultural rotation of crops applied to forestry. <i>Roussière.</i> Pp. 318—326. (Eng. Abstr. Internat. Rev. Agric. 1923. Pp. 680—691.)
<i>Comm. Quaest. For. Finl.</i>	6.1	BNF/Finland	Moorland investigations in Kuusamo, N. Finland. <i>Auer.</i> Pp. 1—258 (Fin.), pp. 259—368 (Ger. summ.).
<i>Repr. Biologische Studien über Baum- und Waldgrenze,</i> Zurich	SS		Biological effect of factors determining limit of tree growth. <i>Daniker.</i>

FOREST BIBLIOGRAPHY TO 1933. PART I

1924	OTHER PUBLICATIONS	NO	SHELF MARK	BRIEF PARTICULARS
	<i>Repr. Imp. Bot Conf. Lond.</i>		SS	Vegetation study and plant ecology in relation to forestry. <i>Troup.</i>
	<i>Act. For. Fenn.</i>	27	BNF/Finland	Increment on drained peatland. <i>Mallamaki.</i> Pp. 1-107. (Ger. summ. Pp. 108-121.)
	<i>Med. Rijksbôchb. Holland</i>	1.3	BNF	Correlation between water catchment and vegetation. <i>Hesselsink.</i>
	<i>Repr. Jnl. Coll. Agric. Hokkaido</i>	12.2	SS	Influence of meteorological factors on increment of trees. <i>Nakashima.</i>
	<i>Carnegie Inst. Pubn.</i>	354	BNA	Vegetation of more arid portions of S. Africa. <i>Cannon.</i>
	" " "	355	BNA	Experimental vegetation. <i>Clements and Weaver.</i>
	" " "	356	BNA	The phytometer method in ecology. <i>Clements and Goldsmith.</i>
	<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	13.2	BNF/Switz.	Heliotropism and geotropism of trees <i>Engler.</i> Pp. 225-283.
	<i>Pamph. Neudamm</i>		SS B.6	Forest crop rotation ( <i>Fruchtfolgewald</i> ). <i>Junack.</i>
	<i>D. A. Bull.</i>	1233	BNA	Forest types as affected by climate and soil. <i>Bates.</i>
	<i>Canada For. Topic, Ottawa</i>	3	BNB	Silviculture in Canada.
	<i>Comm. Quaest. For. Finl.</i>	7.1	BNF/Finland	<i>Alnus glutinosa</i> in Finland. <i>Kujala.</i> Pp. 1-269 Finn., pp. 273-302 Ger. summ. Post-glacial history of Vanajaves Lake, S. Finland <i>Auer.</i> Pp. 1-55.
	" " " "	8.3	BNF/ "	Forest type studies in Swiss Alps. <i>Linkola.</i>
	<i>Veroffentl. Geobot. Inst. Rubel, Zurich</i>	1	BNF	
	<i>Archiv und Berichte der deuts. Pharm. Ges.</i>	3	SG/Africa/ 1924	Ecology of African virgin forests. <i>Mildbraed.</i>
	<i>Festschrift Forstakademie Hann. Münden, Frankfurt a. M.</i>		SS Aa 1924	Relation of species and locality. <i>Oelkers.</i> Pp. 40-49.
	<i>Stat Skogsforsoks Lst. Sweden</i>	31	BNF	Distribution and yield of fir, pine, oak and birch in Sweden in 1923. <i>Mellstrom.</i>
	" " " "	32	BNF	Fertility of <i>Pinus sylvestris</i> in Sweden, 1923-4. <i>Schotte.</i>
	" " " "	33	BNF	Distribution, blossoming and yield of fir, birch, pine and oak in Sweden in 1924. <i>Mellstrom.</i>
	" " " "	34	BNF	Investigations on relation of temperature with growth of <i>Pinus</i> and <i>Abies</i> in Sweden. <i>Romell.</i>
1925				
	<i>Comm Quaest. For Finl</i>	9.5	BNF/Finland	Self pruning and growing space of trees in natural stands. <i>Aaltonen.</i> Pp. 1-17 Finn., pp. 18-20 Ger. summ.
	" " " "	9.8	BNF/ "	Investigations of ancient flora of Hame, S.W. Finland. <i>Auer.</i> (Eng.) Pp. 1-128.
	<i>Mitt. forstl. Versuchsw. Oester.</i>	20	BNF/Austria	Influence of vegetation and soil covering on temperature and dampness of winds. <i>Hoffe.</i>
	<i>Stat. Skogsforsoks. Lst. Sweden</i>	35	BNF	Resources of <i>Pinus, Abies, Quercus</i> and <i>Betula</i> in Sweden in 1925. <i>Mellstrom.</i>
	<i>Pamph. Forstabl. d. badischen Ministeriums d. Finanzen, Karlsruhe</i>		SS	Outlines of tending and regeneration of high forest in Baden. <i>Philipp.</i>
	<i>Repr. Festschrift Carl Schröter, Zürich</i>		SS	Structure of woodlands. <i>Salisbury.</i>
	<i>Extr. La Tribune Horticole, Brussels</i>	468 and 469	SS	Growth conditions in French Colonies. <i>Dumas.</i>
	<i>Annales Ministère de l'Agriculture, Paris</i>	53	SG/France	Forest trees of S.W. Central Massif. <i>Buffault.</i> Pp. 235-281.
	<i>Harvard For. Bull.</i>	8	BNA	Mixed white pine and hardwood. <i>Cline and Lockard.</i>
	<i>Mitt. Staatsverw. Bayerns</i>	16	BNF/ Germany	Silvicultural principles and prescriptions for the Pfalz. Official. Pp. 1-100.
	<i>Extr. Trans. Connect. Acad. Arts &amp; Sci.</i>	27	SS J c	Soil reaction and plant distribution in Norway. <i>Christopherson.</i> Pp. 471-577.
1926				
	<i>1st Int. Silv. Cong. Proc. Rome</i>	3	BNI	Forest distribution and requirements in relation to soil. <i>Forbes.</i> Pp. 347-361.
	" " " " "	4	BNI	The aesthetic side of silviculture. <i>Géneau.</i> Pp. 43-56.
	" " " " "	4	BNI	Upper limit of forests in the Tatra Mts. <i>Sokolowski.</i> Pp. 492-508.
	" " " " "	4	BNI	The forest as an organic unit. <i>Paczoski.</i> Pp. 589-594.
	" " " " "	4	BNI	Peat draining for forest production. <i>Lundberg.</i> Pp. 695-700.

## SILVICULTURE—GENERAL.

1926	OTHER PUBLICATIONS	NO.	SHILL MARK	BRIEF PARTICULARS
	<i>Carnegie Inst. Yrbk.</i> 26, 1926-27 Repr.		BNA	Deciduous forest and grassland formations. <i>Weaver</i> et al. Pp. 332-333.
	<i>Neb. Univ. Pubn.</i> 26 1-2	26 1-2	BNA	The forests of E. Nebraska. <i>Aikman</i> .
	<i>Pamph. Der Bauernwald und seine Bewirtschaftung</i> , Munchen	2	SS	Choice of species and soil system for private owners. <i>Schoepf</i> . (Ger.)
	<i>Medd. Stat. Skogsj. Sweden</i>	22	BNF	Humus covering in coniferous forests and silviculture. <i>Hesselman</i> . Ger. summ. Pp. 169-553. (Eng. abs. in Biol. Abs. 2: 12594, 1926.)
	<i>Stat. Skogsforsoks Lst. Sweden</i>	36	BNF	Distribution, blossoming and yield of fir, birch and pine in Sweden, 1926. <i>Mellstrom</i> .
	<i>Yale For. Sch. Bull.</i>	18	BNA	Soil temperature and forest cover. <i>Tsi-Tung</i> .
	<i>D. A. Bull.</i>	1402	BNA	Timber growing in California pine region. <i>Show</i> and <i>Greeley</i> .
	<i>D. A. Jnl. Agr. Res. Repr.</i>	33.7	BNA	Relation of age to aspect in planting. <i>Wahlenberg</i> .
	<i>Act. For. Fenn.</i>	29.1	BNF/Finland	The influence of trees on each other. <i>Altonen</i> . Pp. 1-16
	" " "	29.3	BNF/	Theory of forest types. <i>Cajander</i> . Pp. 1-108.
	" " "	30.1	BNF/ "	The structure and development of even-aged Scots pine crops. <i>Jonnroth</i> . Pp. 1-269.
	<i>Skogsj. Excursionsledare</i>	11	BNF/Sweden	Vegetation of N. Swedish experimental forests. <i>Tamm</i> and <i>Malmstrom</i> .
	<i>N. Z. For. Serv. Bull.</i>	4	BNB	New Zealand beech forest ecology. <i>Cockayne</i>
	<i>Mitt. Staatsverw. Bayerns</i>	17	BNF/ Germany	Locality conditions in thinning research plots in <i>Sachsenriederforst</i> . <i>Krauss</i> . Pp. 95-127.
	" " " " "	17	BNF/ "	Research on plant climate. <i>Geiger</i> . Pp. 130-142.
	<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	14.1	BNF/Switz.	Researches on the height growth of different species. <i>Burger</i> . Pp. 29-158.
	<i>Pamph. Die Forstliche Bedeutung der Waldtypen</i> , Helsinki.		SS A(c)	Reply to Hesselmann's criticism. <i>Cajander</i> .
	<i>Pamph. Uebersicht der finnischen pflanzengeographischen Forschungstätigkeit</i>		SG/Finland	Finnish plant geography research. <i>Cajander</i> . Review.
	<i>Int. Cong. Plant Sci. Procs.</i> Ithaca, N.Y.	1	BNI	Vegetation of the forest floor: light v. soil moisture. <i>Tourney</i> . Pp. 575-591.
	" " " " "	1	BNI	Forest experimentation as a scientific basis of silviculture. <i>Serpieri</i> and <i>Pavari</i> . Pp. 693-700
	" " " " "	2	BNI	Relationships of floras of northern hemisphere. <i>Fernald</i> . Pp. 1487-1507.
	<i>Vi. Agr. Exp. Sta. Bull.</i>	257	BNA/ Vermont	Relation of moisture content of the soil to sensitiveness of chloroplast to light. <i>Burns</i> .
1927				
	<i>Mitt. Forstl. Versuchsanst.</i> Tharandt	3.1	BNF/ Germany	Effect of locality and management on spruce regeneration by <i>Blendersammlung</i> at Gaidorf. <i>Haufe</i> .
	<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	14.2	BNF/Switz.	Influence of kind of thinning on physical properties of soil. <i>Burger</i> . Pp. 201-250.
	" " " " "	14.2	BNI/ "	Influence of drought periods on the increment of woods. <i>Flury</i> . Pp. 251-292.
	<i>Silva Fenn.</i>	4	BNF	Cultivation of foreign species in Finland. <i>Ilvesalo</i> . Pp. 51-63.
	<i>D. A. Bull.</i>	1491	BNA	Timber growing in central hardwood region of U.S.A. <i>Tillotson</i> .
	<i>S. Afr. F. D. Repr.</i> Repr. <i>S. A. Jnl. Sci.</i> , Vol. 24		BNB SS	Experimental vegetation. <i>Phillips</i> . Experimental vegetation at Knysna. <i>Phillips</i> . Pp. 259-268.
	<i>Tartu Ulikooli, Univ. of Tartu</i>	10	BNF/Estonia	Essence and significance of forest types. <i>Cajander</i> . Pp. 1-48.
	" " " " "	10	BNF/ "	Employment of Cajander's forest types in Estonia. <i>Ruhi</i> . Pp. 1-13.
	<i>Med. Rijksbosch.</i> , Holland	3.1	BNF/Holland	Results of provenience researches at home and abroad. <i>Van Vloten</i> . Pp. 27-49.
	<i>Bot. Mitteilungen</i>	Except.	SS	Pollen analysis research on Thurganischen moors. Pp. 517-548.
	<i>Medd. Stat. Skogsj.</i>	23.2	BNF/Sweden	Studies on stem form. <i>Pettersson</i> .
	<i>Act. For. Fenn.</i>	32.4	BNF/Finland	Periodical variations in rate of diameter increment for Scots pine. <i>Boman</i> . Pp. 1-54.
	<i>Ill. Bull. Nat. Hist. Surv.</i>	17(2)	SS G	Silviculture in the woodlot. <i>Telford</i> .

FOREST BIBLIOGRAPHY TO 1933. PART I

OTHER PUBLICATIONS	NO.	SHLF. MARK.	BRIEF PARTICULARS
<b>1927</b>			
<i>Penn. F. D. Bull.</i> <i>Nigeria For. Dep't Rpt.</i>	43	BNA RS/Nigeria/ AR	What follows pulp cutting in N. Penn. Elliott. Systems adopted in Nigeria. Thompson. P. 19.
<i>Extr Prog Agr. Soc. Trinidad</i> <i>Minn. Univ. Agr. Expt. Stn. Bull.</i>	241	SS BNA	Estate forestry in Trinidad Marshall Mixed hardwood type in Minnesota woodlots Cheyney and Brown. Pp. 7-17.
<i>1st Int. Soc. Soil Sci. Cong. Procs. Washington</i>	4	BNI	Occurrence of hickories in Iowa in relation to soil types. Trenk. Pp. 318-322.
" " " " "	4	BNI	Vegetational types of Bessarabia. Enculescu. Pp. 474-476.
" " " " "	4	BNI	Use of soil surveys in forestry. Kittredge. Pp. 562-565.
" " " " "	4	BNI	Silviculture for maintaining fertility of forest soils. Zon. Pp. 575-582.
<i>Deutscher Forstw. Jahrest.</i> <i>Vi. Agr. Expt. Stn. Bull.</i>	261	BNF BVA/ Vermont	Importance of forest type study in forestry. Dengler et al. A portable instrument for measuring solar radiation in forests. Burns.
<i>Comm. Quaest. For. Finl.</i>	12	BNF/Finland	Future problems of peat bog investigation in Canada. Auer. (Eng.) Pp. 1-32.
<b>1928</b>			
<i>Yale For. Sch. Bull.</i>	22	BNA	Upland forest successions in S. New England. Lutz.
<i>Oxford For. Mem.</i>	8	BNB	Silviculture in Finland Hiley.
<i>Repr. Den. Kgl. Veterinaerog. Landbohøjskole Aarsskrift,</i> Denmark		SS	Shape of crown and light conditions. Moller.
<i>Cornell Univ. Agr. Expt. Stn. Bull.</i>	465	BNA	Twenty years growth of coppice hardwood forest. Spaeth.
<i>Medd. Stat. Skogsf.</i>	24	BNF/Sweden	Studies of the CO <sub>2</sub> content in moss rich Scots pine woods. Romell.
" " "	24	BNF/ "	Soil air and soil aeration. Romell.
" " "	24	BNT/ "	Peat areas from the point of view of forest draining. Malmstrom
<i>Festchr. Skogshögskolans. Sweden. Jubilee</i>		BNF	Effect of slash burning on the soil. Eneroöth. Pp. 429-500.
" " "		BNF	The local climate of silver fir and pine woods. Wallen. Pp. 639-656.
<i>Stat. Skogsforstads Lfl. Sweden</i>	39	BNF	Blossoming and production of <i>Pinus</i> , <i>Picea</i> , <i>Betula</i> and <i>Quercus</i> in Sweden in 1928 Tiren.
<i>Med. Rijksboschb., Holland</i>	3	BNF/Holland	Contributions to the ecology of Scots pine crops. Hesselink. French and German summ.
<i>Penn. F. D. Bull.</i>	46	BNA	The beech-birch-maple forest types in Pennsylvania. Nlick and Frontz.
<i>Carnegie Inst. Pubn.</i> <i>U.S. Agr. Expt. Stn. Bull.</i>	289.2	BNA	Climatic cycles and tree growth. Douglass.
<i>B E F C. Papers</i>	282	BNA RS/Br. Isles/ Gen	Effect of spacing in Jack pine plantations Adams Silviculture in Gt. Britain. Young. Pp. 439-447.
" " "		"	Silviculture in Gt. Britain. Steven. Pp. 228-233.
" " "		"	Forest ecology in Indn. Howard. Pp. 234-243.
" " "		"	Forest ecology in N. Zealand. Cockayne. Pp. 244-251.
" " "		"	Forest ecology of Australia. Osborn. Pp. 252-257.
" " "		"	Silvicultural research in Canada. Robertson. Pp. 473-491.
" " "		"	Silviculture in N. Zealand. Hansson. Pp. 501-504.
" " "		"	Silviculture in Australia. Jolly. Pp. 505-516.
<i>Ann. Ec. Nat. E. &amp; F. Nancy</i>	2 (1)	BNF "	The study of forest topography in France Bernard. Pp. 3-25.
" " "	2 (1)	BNF	Forest types in the French Mediterranean area. Lapie. Pp. 29-106. (Eng. abs. in Biol. Abs. 3: 21306, 1929)
<i>Extract Arbeiten aus der biologischen Reichanstalt für Land- und Forstwirtschaft,</i> Vol. 60, Pt 2, Berlin	SS C 5. 1928	SS C 5. 1928	Use of weeds of agricultural land as indicators of soil conditions and reaction. Steyer et al.
<i>Silva Fenn.</i>	10	BNF/Finland	Occurrence and development of spruce on dry heathlands of N. Finland Tilkka. (Ger.)
<i>Estl. Forstw. Jahrb.</i>	3	BNF/Estonia	Assessing quality of dry moorland soils. Mathiesen. Pp. 109-114.
" " "	3	BNF/ "	Importance of Cajander's forest type theory in Estonia. Ruhl. Pp. 192-198.
<i>Mich. State Coll. Pubns.</i>	10.4	BNA	Walnut interplanted with cedar grows quickly. Robbins.

## SILVICULTURE—GENERAL

OTHER PUBLICATIONS	NO.	SILV. MARK	BRIEF PARTICULARS
<i>Deutscher Forst. Jahrest.</i>		BNF/Germany	Soil sickness: its cause and meaning in forestry. <i>Albert et al.</i> Pp. 110—156.
<i>Samml. Forstw. Schr. Latvia</i>	6	BNF/Latvia	Natural and artificial spruce types in Latvia. <i>Kirstein.</i> (Ger.)
" " "	6	BNF/ "	Effect of forest type on mechanical properties of pine wood. <i>Bersin.</i> (Ger.) Pp. 132—134.
<i>Dansk. Biol. Medd., Copenhagen</i>	7.1	SS	Cover, density and dominance in plant communities. <i>Rauhlaer.</i>
<i>Comm. Quaest. For. Finl.</i>	13	BNF/Finland	Immigration of pine into Finland. <i>Auer.</i> Pp. 1—24. (Eng. abs. in Biol. Abs. 5: 26756, 1931.)
<i>Milt. Schw. Centr. forstl. Versuchsw.</i>	15.1	BNF/Switz.	Physical properties of forest and open country soils. <i>Burger.</i> Pp. 51—101.
" <i>Yale For. Sch. Bull.</i> "	15.1	BNF/ "	The soil and the forest. <i>Hess.</i> Pp. 5—50.
" " "	23	BNA	Some aspects of light in the forest. <i>Grasovský.</i>
" <i>Harvard For. Bull.</i> "	24	BNA	Soil factors and site quality. <i>Häig.</i>
" " "	13	BNA	Form and growing space of white pine <i>Gevorkians and Hosley.</i>
<i>S. Afr. F. D. Repr.</i> <i>Carnegie Yrbk. 28, 1928—29, Repr.</i>	5	BNB	Moisture v. light in forestry. <i>Crabb.</i>
" " "		BNA	Reports on climatic cycles. <i>Clements et al.</i> P. 197.
" " "		BNA	Climatic cycles and tree growth. <i>Douglas.</i> P. 109.
<i>Rhod. Agr. Jnl. Repr.</i> "	736	BNB	Choice of species for planting in S. Rhodesia. <i>J.</i>
<i>Medd. Norske Skogforsoksr.</i>	11	BNF/Norway	Forest of Gulbranddal at various elevations. <i>Vigerust.</i> Pp. 271—288.
<i>Proc. 5th Yale Ntnl. Shade Tree Conf.</i>		BNA	Landscape work with trees in America. <i>Hicks.</i> P. 18.
<i>Nebraska Univ. Stud.</i>	5	BNA	Structure of forests of E. Nebraska. <i>Atkman.</i>
<i>Pamph. Helsinki</i>	SS/B.1		Research on forest types of Petsamo and neighbouring parts of Lapland. <i>Kujala.</i>
<i>Repr. from The Natural History of Wicken Fen</i>		SS	The vegetation of Wicken Fen, England. <i>Godwin and Tansley.</i>
<i>Proc. 3rd Silv. Conf.</i>		RS/India/Gen.	The synecology of the rain forest in India. P. 93.
" " "		RS/India/Gen.	Reservation of selected fine trees or areas of forest in India. Pp. 377—379.
<i>Exkursionsledare, Sweden</i>	13	BNF/Sweden	Forest degeneration in raw humus soils etc. (Eng. Fr. Ger.)
<i>Tartu Ulikooli, Univ. of Tartu</i>	15	BNF/Estonia	Ground flora of forest reserve in Estonia. <i>Ullerberg.</i> (Ger.)
<i>Act. For. Fenn.</i>	34.1	BNF/Finland	Gregariousness among trees. <i>Troup.</i> Pp. 1—16.
" " "	34.2	BNF/ "	Forest types in Scotland. <i>Anderson.</i> (Eng.) Pp. 1—1.
" " "	34.4	BNF/ "	Succession in vegetation of Mt. Fuji. <i>Hayata.</i> (Eng.) Pp. 1—28.
" " "	34.5	BNF/ "	Forests of Pacific coast of British Columbia and S.E. Alaska. <i>Harshberger.</i> (Eng.) Pp. 1—5.
" " "	34.11	BNF/ "	Denmark's forest types. <i>Bornebusch.</i> (Dan.) Pp. 1—18.
" " "	34.12	BNF/ "	Forest types of India. <i>Ormanston.</i> (Eng.) Pp. 1—7.
" " "	34.14	BNF/ "	Biology of forest soils and its physiological importance for life of forest. <i>Leicht.</i> (Ger.) Pp. 1—64.
" " "	34.16	BNF/ "	Thickness of turf and slope of various moorland types. <i>Lukkala.</i> (Ger.) Pp. 1—16.
" " "	34.17	BNF/ "	Horizontal layers of vegetation in forest crops. <i>Kujala.</i> (Ger.) Pp. 1—26.
" " "	34.28	BNF/ "	Estimation of forest type by soil research. <i>Aaltonen.</i> Pp. 1—10.
" " "	34.30	BNF/ "	Forest zones in W. Himalayas. <i>Hecke.</i> Pp. 1—10.
" " "	34.31	BNF/ "	Forest types of Latvia. <i>Kirstein.</i> (Ger.) Pp. 1—20.
" " "	34.39	BNF/ "	Some forest (site) types of N. America. <i>Ilvesalo.</i> (Eng.) Pp. 1—111.
" " "	34.40	BNF/ "	Forest types of Estonia. <i>Linkola.</i> (Ger.) Pp. 1—73.
" " "	35.1	RNF/Finland	Occurrence of spruce as undergrowth in forests round N. of Lake Ladoga, Finland. <i>Pontinen.</i> Pp. 1—100. Finn., pp. 101—215. Ger.
<i>Brodkl. Vom subtropischen Walde, Grac.</i>		SG/Brasil	Sub-tropical forests of S. Brazil. <i>Wegener.</i> (Ger.)
<i>Comm. Quaest. For. Finl.</i>	13.1	BNF/Finland	Present prat hogs in S.E. Canada. <i>Auer.</i> (Eng.)
" " " "	13.2	BNF/ "	Development of Lake Hoytalan in Finland and its ancient flora. <i>Auer et al.</i>
" " " "	13.3	BNF/ "	Migration of spruce into Finland. <i>Auer.</i> (Ger.)

FOREST BIBLIOGRAPHY TO 1933: PART 1

1929	OTHER PUBLICATIONS	NO.	SHLF MARK	BRIEF PARTICULARS
	<i>Comm. Quaest. For. Finl.</i>	134	BNF/Finland	Forest vegetation on loamy soils in S. Finland. <i>Kujala</i> , (Ger.)
	"	139	BNF/ "	Forest types in Petsamo, N. Lapland. <i>Kujala</i> , (Ger.)
	<i>Mitt. Forstl. Versuchsw. Oester.</i>		BNF	Horizontal and vertical distribution of beech in Austria.
	<i>Repr. Blt. Lasu Polskiego, Warsaw</i>		SS/B.1	Development of forest crops under the influence of age and ecological factors. <i>Jedlinski</i> , (Ger.)
	<i>Dissertn., Freiburg</i>		SP/Picea/ 1929	Forest types and site classes of spruce in Upper Saxon Ore Mts. <i>Kotz</i> , (Ger.)
	<i>Samml. Forstw. Schr. Latvia</i>	7	BNF/Latvia	Importance of study of forest types in forest regulation. <i>Marks</i> , (Ger.)
	"	7	BNF/ "	Meaning of forest types in artificial woods. <i>Hoheisel</i> , (Ger.)
	<i>Imp. Household Bull., Japan</i>	1 (4)	BNF	Influence of local climatic factors on the timber of the same species. <i>Miyoshi</i> .
	<i>Stat. Skogsforsoks Lff. Sweden</i>	40	BNF	Fructification of fir, birch and pine in Sweden, 1929. <i>Tiren</i> .
1930				
	<i>D. A. Lfl.</i>	55	BNA	Size of tree for saw timber. <i>Ashe</i> .
	<i>D. A. Tech. Bull.</i>	164	BNA	Selective logging of hardwoods. <i>Zon and Garver</i> .
	" "	204	BNA	Timber growing and turpentine practices. <i>Forbes</i> .
	<i>Harvard For. Bull.</i>	14	BNA	Thermo-electric radiometer for silvicultural research. <i>Gast</i> .
	<i>Yale For. Sch. Bull.</i>	27	BNA	Forest types in Eli Whitney Forest. <i>Hawley and Maughan</i> .
	" "	28	BNA	Diameter distribution series in forest stands. <i>Meyer</i> .
	<i>N.Y. Coll. For. Syra. Tech. Pubn.</i>	29	BNA	Forest ecology of New York State. <i>Bray</i> .
	<i>Vi. Agr. Exp. Sta. Bull.</i>	310	BNA	Tolerance studies of forest trees. <i>Adams</i> .
	<i>6th Yale Ntnl. Shade Tree Conf.</i>		BNA	Landscape value of trees in America. <i>Taylor</i> . Pp. 117-120.
	<i>Neb. Univ. Stud.</i>	7	BNA	Structure of prairie vegetation. <i>Steiger</i> .
	<i>Medd Norske Skogforsoksv.</i>	13	BNF/Norway	Summer temperature and seed germination of spruce. <i>Eide</i> . Pp. 473-504.
	<i>Deutscher Forstw. Jahress.</i>		BNF	Forest peculiarities of N.W. German heathlands. <i>Erdmann</i> . Pp. 295-329.
	<i>Central Organ Soil Sci., Berlin</i>	5 (3)	BNI	Change of boundary between forest and peat in Alatskivi. <i>Marks</i> . P. 187.
	<i>Tartu Ullikool, Univ. of Tartu</i>	18	BNF/Estonia	Growth and character of forest crops on Oeel Island, Estonia. <i>Wallner</i> .
	<i>Mitt. Hoh. Forstl. Bayerns</i>	25	BNF/ Germany	Physiological problems in silviculture. <i>Bernbeck</i> . Pp. 121-124.
	" " "	25	BNF/ "	Air moisture as a site factor. <i>Geiger</i> . Pp. 124-127.
	" " "	30	BNF/ "	Sites and their plant indicators in Keuper and Jurn areas. <i>Vogtherr</i> . Pp. 114-121.
	<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	16.1	BNF/Switz.	Development of trees on different soils. <i>Burger</i> . (Ger. and Fr.) Pp. 49-128.
	<i>Mitt. Forstwirt.</i>	1.4	BNF/ Germany	Relation of species and locality to grade and type of thinnings. <i>Oelkers</i> .
	" "	1.4	BNF/ "	Silvicultural importance of ground water. <i>Hartmann</i> . Pp. 385-437. (Eng. abs. in Biol. Abs. 5* 21122, 1931.)
	<i>Int. Un. For. Res. Organis. Cong. Proc., Stockholm</i>		BNI	Post glacial history of European forests according to pollen analysis. <i>Past</i> . (Ger.) Pp. 1-27.
	" " " "		BNI	Virgin and selection forests in N. Russia. <i>Tkatschenko</i> . (Ger.) Pp. 124-128.
	" " " "		BNI	Fresh research on root competition and shade bearing ability of trees. <i>Fabritius</i> . (Ger.) Pp. 370-380.
	" " " "		BNI	Site factors in interpretation of forest vegetation. <i>Toumey</i> . (Eng.) Pp. 381-386.
	" " " "		BNI	Climate and soil in relation to forest management in South Western U.S.A. <i>Pearson</i> . (Eng.) Pp. 387-388.
	" " " "		BNI	Soil types and their importance in forestry. <i>Tamm</i> . (Ger.) Pp. 448-454.
	" " " "		BNI	Site investigation in relation to forest types. <i>Pegrebnjeck</i> . (Ger.) Pp. 455-471.
	" " " "		BNI	To what extent are N. European forest types natural? <i>Metzger</i> . (Ger.) Pp. 472-478.
	" " " "		BNI	Problem of afforesting alkali soils. <i>Magyar</i> . (Ger.) Pp. 485-489.
	" " " "		BNI	Afforestation of hill ground in Gt. Britain with special reference to peat soils. <i>Guillebaud</i> . (Eng.) Pp. 490-498.

## SILVICULTURE--GENERAL.

OTHER PUBLICATIONS	NO.	SILV. MARK	BRIEF PARTICULARS
1030			
<i>Medd. Stat. Skogsf.</i>	26	BNF/Sweden	Influence of Sweden's humid climate on soil, vegetation and forest. <i>Hesselmann</i> , (Ger.) Pp. 555-559.
<i>Silva Fenn.</i>	15	BNF/Finland	Methods of classifying forest types and their importance. <i>Cajander</i> , (Ger.)
<i>Medd. Vestl. Forstl. Forsoks. Samml. Forstw. Schr. Latvia</i>	13	BNF/Norway	Forest types in the Ardal region, Norway. <i>Ve</i> , (Nor.)
	8	BNF/Latvia	Importance of ground flora in classification of forest types. <i>Hoheisel</i> , (Ger.) Pp. 132-135.
<i>Estl. Forstw. Jahrb.</i>	4	BNF/ Estonia	Plant succession on clear felled forest areas. <i>Vilberg</i> . Pp. 139-141.
<i>Stat. Skogsförsöks Lst. Sweden</i>	41	BNF/Sweden	Distribution, blossoming and fructification of fir, birch and oak in Sweden, 1930. <i>Tiren</i> .
<i>Comm. Quaest. For. Finl. Repr.</i>	15	BNT/Finland	Notes on mixing of crops in Europe. <i>Lappi-Seppala</i> . Pp. 9-48.
" " " "	15	BNF/ "	Account of development of mixed crop of <i>Pinus sylvestris</i> and <i>Betula</i> in Finland. <i>Lappi-Seppala</i> . Pp. 51-241.
1031			
<i>Conn. Agr. Expt. Sta. Bull. S. Afr. Bot. Survey Mem.</i>	330	BNA	Soil type and composition of woods. <i>Hancock</i> et al.
	14	BNB	Forest succession and ecology in Knyana. <i>Phillips</i> . Pp. 1-327.
<i>D. A. Tech. Bull.</i>	217	BNA	Forest types, climate and soil. <i>Pearson</i> .
<i>D. A. Jnl. Agr. Res. Repr.</i>	424	BNA	Water requirements of plants and weeds. <i>Dillman</i> .
" " " "	435	BNA	Grazing use of Douglas fir cut-over lands. <i>Ingram</i> .
<i>S. Afr. For. Rpt.</i> "	43-12	BNA	Plant succession and gearing on soils of Mexico. <i>Campbell</i> .
		RS/S. Afr./ AR	Limiting factors in afforestation in S. Africa. <i>Geldenhuys</i> . P. 27.
<i>Int. Timber &amp; Silv. Cong. Prot., Paris</i>	1	BNI	Forest ecology of S. Central Africa. <i>Burtt Davy</i> . Pp. 72-83.
" " " "	2	BNI	Indicators of dryness and forest vegetation. <i>Perrin</i> . Pp. 17-25.
" " " "	2	BNI	Influence of trees on pasture in France. <i>Rey</i> . Pp. 51-60.
" " " "	2	BNI	Forest ecology of mountains of Spanish Peninsula. <i>Gaußen</i> . Pp. 256-255.
<i>Soil requirements of more important trees in Britain</i> , Oxford (Revised Ed.)	SS. 3 b.		Soil requirements of more important trees in Britain.
<i>Mitt. Forstwirt</i>	2.2	BNF/ Germany	Scots pine soil on sea dunes of Wallin Island, N. Germany. <i>Gantzen</i> .
" "	2.2	BNF/ "	Influence of different species on various physical properties of light soils. <i>Penschuck</i> .
" "	2.2	BNF/ "	Crop form, increment and regeneration in Carpathian virgin forests of Galicia. <i>Maure</i> .
" "	2.3	BNF/ "	Foundations for natural division and treatment of forests in C. Europe. <i>Hartmann</i> .
<i>Toulouse Trav. Lab. For. Irish D. A. I.J.F. 7th Yale Nthl. Shade Tree Conf.</i>	2.4	BNF/ "	Research on branching of spruce crops. <i>Brunn</i> .
	4 (1)	BNF/France	Forest growth conditions in Portugal. <i>Gaußen</i> .
	65	BNB	Suitable species for waste land in Ireland.
		BNA	The shade tree in landscape architecture. <i>Alexander</i> . Pp. 11-16.
" " " "		BNA	Choice of roadside trees. <i>Mulford</i> . Pp. 17-21.
<i>Deutscher Forstw. Jahresh.</i> "		BNF/ Germany	Investigation in forest ecology. <i>Kruedener</i> . Pp. 239-258.
" " " "		BNF/ "	Conditions needed for existence of forests in Turkey. <i>Bernhard</i> . Pp. 258-260.
<i>Estl. Forstw. Jahrb.</i>	5	BNF	Distribution of various species of plants in S.W. Estonia. <i>Rühl</i> . Pp. 138-139.
<i>Repr. Beilage, Bull. Min. Agr. Domänen, Bukarest</i>		BNF/ Roumania	Flora of coastal region of Roumania. <i>Prodan</i> . (Ger.)
<i>Mitt. Ver. Forstb. Bayerns</i>	26.12	BNF/ Germany	Site conditions and crop history in South and Central German forests. <i>Kraus</i> . Pp. 91-95.
<i>Dissertation, Neckar</i>		BNF/ "	Floral types of Ore Mountains and their relation to growth of spruce woods. <i>Menz</i> .
<i>Medd. Vestl. Forstl. Forsoks.</i>	12	BNP	Results of introducing N.W. American species to W. coast of Norway. <i>Hagen</i> (Ger.)
<i>N.Y. Bot. Gdn. Brit.</i>	1 (1)	BNA	Phytogeography of the Prairies and Great Plains of N. America. <i>Ryderberg</i> . Pp. 57-65.
<i>Samml. Forstw. Schr. Latvia</i>	9	BNF/Latvia	Forest types of Latvia. <i>Zviedris</i> . (Ger.) P. 69.

FOREST BIBLIOGRAPHY TO 1933: PART I

OTHER PUBLICATIONS	NO.	SHLF MARK	BRIEF PARTICULARS
1931			
<i>Act. For. Fenn.</i>	37.1	BNF/Finland	Influence of forest types on pine timber quality. <i>Lassila</i> . (Ger.)
<i>Stat. Skogsforsoks Lj. Sweden</i>	42	BNF	Distribution, blossoming and fructification of fir, pine, birch and oak in Sweden, 1931.
<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	16 (2)	BNF/Switz.	Growth, size and value of pure and mixed forests. <i>Flury</i> . Pp. 453-472.
" " "	17 (1)	BNF/ "	Meteorological observations in beech and spruce forests <i>Burger</i> . Pp. 92-146.
1932			
<i>8th Yale Natl. Shad Tree Conf.</i>		BNA	The artistic aspect of trees. <i>Bracken</i> . Pp. 35-42.
<i>Repr. Rübel, Die Buchenwälder Europas. Veröffentlichungen der Geobot. Inst. Rübel Zürich</i>		SS	British beechwoods. <i>Watts and Tansley</i> .
<i>Bull. Soc. Amis Ec. Nat. E. &amp; F. Nancy</i>	17	BNF	Evidences of a natural rotation in forest crops. <i>Harlt</i> . Pp. 33-49.
<i>Toulouse Trav. For. Lab.</i>	1 (1)	BNF	Forest ecology of the Pyrenees. <i>De Coincy</i> . P. 20.
<i>Ann. Ec. Nat. E. &amp; F. Nancy</i>	4 (2)	BNF	Methods of study of forest types of French Jura. <i>Guinier</i> . Pp. 262-279
<i>Pamph. Dept. For., Oxford Estl. Forstw. Jahrb.</i>	6	SS BNF	Natural woodlands of Britain and Ireland. <i>Anderson</i> . Forest types and ground vegetation in S.W. Estonia. <i>Rühl</i> . (Ger.) Pp. 102-106.
" " "	6	BNF	Oak forest types of Estonian lowlands. <i>Wirok</i> . (Ger.) Pp. 118-119
" " "	6	BNF	Occurrence of various woody plants in Estonia. <i>Wirok</i> . (Ger.) P. 126.
<i>Dept. Agr. Accra, Rpr. Medd. Norske Skogforsoksr.</i>	15	BNB BNF/Norway	Forestry and agriculture in Gold Coast. <i>Gent</i> . Plant associations and soil acidities of forest types of Finmark, N. Norway. <i>Fehér</i> . (Ger.)
<i>Comm. Quaest. For. Finl.</i>	17.1	BNF/Finland	Ecological research on history of moors in W. Finland. <i>Aario</i> . Pp. 1-179 Ger., pp. 181-189 Finn. summ.
" " " "	17.4	BNF/ "	Importance of ground vegetation on spruce regeneration on S. Finland heathlands. <i>Hertz</i> . Pp. 1-189 Finn., pp. 190-206 Ger. summ.
" " " "	17.5	BNF/ "	Influence of tree species on soil. <i>Aaltonen</i> . Pp. 1-62 Finn., pp. 63-67 Eng. summ.
<i>Tharandt Forst. Hochs.</i>		BNF/ Germany	Virgin forest problems in N. Anatolia, Asia Minor. <i>Basel</i> .
<i>N. Rhod. D. A. Bull. Trinidad &amp; T. Cons. For. Rpt.</i>		BNB RS/W. Indies	The Mukushi forests of N. Rhodesia. <i>Martin</i> . Pp. 73-76
<i>Int. Un. For. Res. Organiz. Pubn. Proc., Nancy</i>		BNI	Forest types of Grenada. <i>Marshall</i> . P. 2.
" " " " "		BNI	Characteristics of the site in forestry experiments in Mediterranean countries. <i>Pavari</i> . Pp. 168-180.
			The factors influencing forest yield. <i>Woodward</i> . Pp. 401-418.
1933			
<i>For. Com. Bull. Yale For. Sch. Bull.</i>	15	BNB	Scottish moorlands and tree growth. <i>Frazer</i> .
<i>Comm. Inst. For. Fenn.</i>	16	BNA	Early expression of dominance in white pine. <i>Deen</i> .
	18.1	BNF/Finland	Development of forests of <i>Alnus incana</i> in Finland. <i>Miettinen</i> .
" " " "	18.4	BNF/ "	Post-glacial natural changes in forest soils in Finland. <i>Aaltonen</i> . Pp. 1-20 Ger., pp. 21-22 Finn. summ.
<i>Mitt. Ver. Forstb. Bayerns</i>	18.5	BNF/ "	Occurrence of forest types on different soils. <i>Ilversalo</i> .
" " " "	2	BNF/ Germany	Notes on <i>Fagus</i> as a solitary tree and cultivated in groups. <i>Sippel</i> . Pp. 11-13.
" " " "	6	BNF/ "	Silvicultural relations in the tertiary highlands of Bavaria. <i>Rüger</i> . Pp. 44-49.
<i>Sammil. Forstw. Schr. Latvia</i>	8-12	BNF/ BNF	Forest sites and plant indicators. <i>Vogtherr</i> . 19 pp.
			Development of mixed forests in Garschen in Latvia. <i>Brutten</i> . Pp. 21-24.
<i>Repr. Overgedrukt uit het Ned. Boschbouw-Tijdschrift</i>	SS		Significance of tree classification in young pine stands. <i>Geerling</i> .
<i>Act. For. Fenn.</i>	39.3	BNF/Finland	Vegetation of Finland's highmoor. <i>Passio</i> . Pp. 1-190 Ger., pp. 191-210 Finn. summ.
" " "	39.4	BNF/ "	Climate and forests in post-glacial times in Kareline, Russia. <i>Hyyppä</i> . Pp. 1-41 Ger., pp. 42-43 Finn. summ.
<i>Mitt. Forstwirt</i>	4	BNF/ Germany	The effect of moisture-containing eluvial deposits of sandstone in spruce and beech forests. <i>Stahl</i> . Pp. 495-541.

## SILVICULTURE—SEED AND SEEDLINGS

OTHER PUBLICATIONS	NO.	SIMPLY MARK	BRIEF PARTICULARS
1933			
<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	18 (1)	BNF/Switz.	Meteorological observations in beech and spruce forests. <i>Burger</i> . Pp. 7—54.
" " "	18 (1)	BNF/ "	Relations of growth in selection forests. <i>Flury</i> . Pp. 54—151.
" " "	18 (1)	BNF/ "	Meteorological observations on spruce forests, and pine and spruce selection forest near Oppigen. <i>Burger</i> . Pp. 153—192.
<i>Hokkaido Expt. For. Bull.</i>	8	BNF/Japan	Synecological survey of forest of Teshio, Japan. <i>Tatewaki and Horimoto</i> . Pp. 1—287.
<i>Bull. Imp. For. Expt. Sta. Tokyo, Japan</i>	33	BNF/ "	Ecological investigations and application of biology to silviculture. <i>Ohreko</i> . Appx. pp. 1—3.
" " " "	33	BNF/ "	Plant indicators relating to silviculture in Japan. <i>Kawada</i> . Appx. pp. 5—7.
" " " "	33	BNF/ "	General features of the coniferous forests in Japan. <i>Kawada</i> . Appx. pp. 37—48.
<i>Deutscher. Forstw. Jahrest.</i>		BNF/ Germany	Relation between forest and locality in cultivation of <i>Pinus</i> . <i>Wittich</i> . Pp. 364—382.
<i>Ecole Cent. Agron. Rech. For.</i>	3	BNF/Poland	Silvicultural importance of floristic pine forest types in Central Poland. <i>Niedziatkowski</i> . Pp. 134—150.

## B SILVICULTURE.

### 2 Seed and Seedlings.

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1825			
<i>Krit. Bl. F. u. Jagdw.</i>	3.1	154—162	Mass year of spruce prophesied by squirrel damage. <i>Frombling</i> .
1832			
<i>Krit. Bl. F. u. Jagdw.</i>	6.2	118—122	Notes on early and late rooting of layers.
1834			
<i>Krit. Bl. F. u. Jagdw.</i>	7.2	71—174	Pine seeds and pine seedlings, and the cultivation of pines in E. Prussia.
1838			
<i>Krit. Bl. F. u. Jagdw.</i>	12.1	76—82	The germination of seeds. <i>Tilemann</i> .
1841			
<i>Allg. F. &amp; J. Ztg.</i>	17	151—158	Under what circumstances is a leaf covering injurious to beech mast on the ground.
" " "	17	463	Note on germination of <i>Pinus cembra</i> .
1842			
<i>Thar. For. Jahrb.</i>	1	74—84	Account of activities in seed extraction establishments. <i>von Klotz</i> .
" " "	1	106—109	Notes on cultivation of beech in nurseries. <i>Cotta</i> .
1844			
<i>Allg. F. &amp; J. Ztg.</i>	20	41—44	Observations on full mast.
" " "	20	89—90	Natural and artificial regeneration of high forest.
" " "	20	450—454	Notes on the period of full mast.
1845			
<i>Krit. Bl. F. u. Jagdw.</i>	21.1	109—204	Notes on seeds of oak, beech and maple.
<i>Allg. F. &amp; J. Ztg.</i>	21	1—2	Cultivation of young oak and chestnut. <i>Guimbel</i> .
" " "	21	43—47	Observations on beech mast harvest (1845). <i>Hoffmann</i> .
" " "	21	493—494	Notes on setting up of forest nurseries.
" " "	21	497—498	Notes on question of beech mast.
<i>Thar. For. Jahrb.</i>	2	37—40	Notes on the life and viability of important seeds. <i>Thiersch</i> .
" " "	2	51—54	Notes on a machine for sowing conifer seeds. <i>Reil</i> .
1846			
<i>Krit. Bl. F. u. Jagdw.</i>	22.2	194—199	Discussion on question of seedling and planting.
<i>Allg. F. &amp; J. Ztg.</i>	22	193	Notes on pine seeds. <i>Hartig</i> .
" " "	22	195—197	Yield of oak seedlings in Holstein, Germany.
" " "	22	245—249	Discussion of question of time of full mast. <i>Waldeck</i> .
" " "	22	393—394	Notes on preserving acorns for seed. <i>Müller</i> .
" " "	22	394—396	Notes on germinating power of beech seeds.
" " "	22	476—478	Notes on germinating power of beech seeds.
1847			
<i>Allg. F. &amp; J. Ztg.</i>	23	325—330	Notes on the treatment of nursery-grown seedlings.
<i>Krit. Bl. F. u. Jagdw.</i>	24.1	228—235	Notes on obtaining seeds from pine.

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOl	PAG	BRIEF PARTICULARS
1848 <i>Thar. For. Jahrb.</i> <i>Allg. F. &amp; J. Ztg.</i>	5 24	136-143 88-90	Treatment of oak seeds. <i>Von Strauch.</i> Notes on the planting of acorns.
1849 <i>Krit. Bl. F. u. Jagdw.</i>	27.1	207-216	Rare and frequent seed bearing in trees.
1850 <i>Krit. Bl. F. u. Jagdw.</i> " " " " " " <i>Thar. For. Jahrb.</i>	29.1 29.2 29.2 6	182-192 227-232 248-255 255-262 125-137	Notes on germinating power of tree seed. Root pruning of oak in the nursery. The correct soil covering for pine and spruce seed beds. <i>Titmann.</i> Suggestions for stimulating germination. Notes on seeds and seedlings.
1851 <i>Allg. F. &amp; J. Ztg.</i> <i>Veremsschr. F.-J. u. Naturk.</i>	27 27 9	46-51 408-411 57-62	Preparation of coniferous seed beds with reference specially to drill sowing. <i>Bose.</i> Cultivation of oak seedlings in nurseries. <i>Eyber and Müller.</i> The cultivation of larch. <i>Wessely.</i>
1853 <i>Veremsschr. F.-J. u. Naturk.</i>	16	62-63	Notes on transplanting spruce. <i>Hauska.</i>
1855 <i>Oesterr. Viertel.</i>	5	1	Methods for cultivation of forest trees in seed beds. <i>Gross.</i> 32 pp.
1856 <i>Allg. F. &amp; J. Ztg.</i>	32	395-396	Note on preservation of acorns during winter.
1857 <i>Allg. F. &amp; J. Ztg.</i>	33	41-59	Description of transplanting tool. <i>Heyer.</i>
1858 <i>Allg. F. &amp; J. Ztg.</i> " " " " " " <i>Monatschr. F. &amp; J.</i> " " "	34 34 34 34 34-35	131-135 137-139 461-464 333-342 441-443	The use of axe-blades in place of Buttner's planting-iron. <i>Schmidt.</i> Sowing and planting. <i>Müller.</i> The stimulation of germination by chlorine and dilute mineral acids. <i>Vonhausen.</i> Cultivation of seedlings. Plant cultivation and management of seedlings. <i>Pfost.</i>
1859 <i>Allg. F. &amp; J. Ztg.</i> <i>Monatschr. F. &amp; J.</i>	35	52-55 277-280	Notes on nurseries for seeds and seedlings. <i>Hartig.</i> Notes on the beech mast of 1858.
1860 <i>Krit. Bl. F. u. Jagdw.</i> <i>Monatschr. F. &amp; J.</i>	43.1	142-151 435-438 461-464	Insect life in forest seed beds. <i>Hartig.</i> Cultivation and treatment of oak seedlings. <i>Schreiber.</i> Drill sowing of coniferous seed in the nursery. <i>Schreiber.</i> Notes on the means of hastening germination. <i>Vonhausen.</i> Notes on the protection of newly-sown plots against birds etc. <i>von Herda.</i>
<i>Allg. F. &amp; J. Ztg.</i> " " " " " " " " " " " "	36 36 36 36 36	8-9 62-63 311-348 349-350 449-451	Notes on the means of hastening germination. <i>Vonhausen.</i> Notes on the protection of newly-sown plots against birds etc. <i>von Herda.</i> Return of mast years, natural regeneration and yield of mast in high forest of beech. <i>Ihrig.</i> Notes on mast-yield of oak. Winter storage of acorns. <i>Biermans.</i>
1861 <i>Allg. F. &amp; J. Ztg.</i> <i>Monatschr. F. &amp; J.</i> <i>Veremsschr. F.-J. u. Naturk.</i>	37 37 39	208-209 209-210 129-130 290-298 79-81	The harvesting and sowing of larch seeds. <i>Hartig.</i> Notes on the peculiarities of germination of the beech-nut. Notes on rearing and cultivating oak seedlings. <i>Laurop.</i> Notes on rearing and cultivating oak seedlings. <i>Schreiber.</i> Two implements for use in nurseries. <i>Rakuschan.</i>
1862 <i>Rev. L. &amp; F.</i> <i>Allg. F. &amp; J. Ztg.</i>	1 38	18 404	Establishing a forest nursery. <i>Marsault.</i> 8 pp. The lay-out of spruce seed beds.
1863 <i>Krit. Bl. F. u. Jagdw.</i> <i>Thar. For. Jahrb.</i> <i>Monatschr. F. &amp; J.</i>	46.1 46.1 15	132-140 170-186 110-180 444-456	Root and shoot pruning before transplanting. <i>Nördlinger.</i> The treatment of nurseries on <i>Schlauboden</i> . <i>Nördlinger.</i> Investigations on spruce seedlings. <i>Von Unger.</i> Observations on the treatment of nurseries. <i>Gebhard.</i>

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1864			
Allg. F. & J. Ztg.	40	41—46	Notes on the preservation of pine seeds.
" "	40	219—221	The preparation and use of turf ashes as a manure for nurseries. Heyer.
1865			
Rev. E. & F.	4	145	Forest nurseries. Gebhard. 8 pp.
" Bl. F. u. Jagdw.	4	241	On germination. Gris. 12 pp
Monatschr. F. & J.	47.2	125—150	Moisture requirements of transplanted seedlings. Kropp.
		452—454	Natural storage methods for seed of broad-leaved trees during winter. Otto.
1866			
Monatschr. F. & J.		207—213	Buying of acorns. Braun.
" "		361—377	Observations on collection and transport of forest seeds. Braun.
" "		401—408	Costs of planting in forest nurseries. Fischbach.
Allg. F. & J. Ztg.	42	408—414	Notes on treatment of tree seeds. Davids.
		129—132	Forest planting conditions in Ellwanger forest, Germany. Pollack.
" "	42	165—175	Observations on seed beds and their upkeep. Hess.
" "	42	205—216	Investigations on forest nurseries. Heyer.
" "	42	321—322	Cheap method of lining-out in nurseries. Kehrem.
" "	42	358—359	Note on germination of beech-nuts. Wiese.
" "	42	359	Note on beech and behaviour in open. Wiese.
" "	42	362—363	Note on physical and chemical conditions of germination. Wiesner.
Krit. Bl. F. u. Jagdw.	49.2	60—69	Notes on pruning in nurseries, and the necessity of humidity for transplanted seedlings. Meier.
1867			
Vereinschr. F.-J. u. Naturk.	57	12—25	Notes on methods of sowing in Bohemia. Domiu.
Monatschr. F. & J.		138—141	Notes on the equal sowing of seeds.
" "		323—326	Notes on the yield of nurseries. Dutsch.
Krit. Bl. F. u. Jagdw.	49.2	101—109	The costs of rearing trees in nurseries. Krodel.
	50.1	121—158	The selection of forest seeds. Nördlinger.
Allg. F. & J. Ztg.	43	169—170	Observations on nursery practice. Meier.
" "	43	285—293	Notes on germinating power of beech. Kallenbach.
			Natural or artificial reproduction in forests. Lampe.
1868			
Monatschr. F. & J.		123—127	Costs of planting in nurseries in Bavaria. Dutsch.
Allg. F. & J. Ztg.	44	342—345	Note on cost of raising plants in the nursery. Dutsch.
		156—158	Notes on a special manure for spruce seedlings. Frank.
1869			
Allg. F. & J. Ztg.	45	203	Notes on the production of acorns.
Zeitschr. F. & J.	1	69—78	Protection cases and seed-boxes in nurseries. Bando.
" "	1	215—219	Notes on beech-nuts and maintenance in winter. Eichhoff.
" "	1	419—456	Notes on seed-guns and seed-horns. Bando.
" "	1	456—470	Notes on the sowing of forest trees in the dry summer of 1868. Ratzeburg.
Krit. Bl. F. u. Jagdw.	51.2	201—208	Effect of guano and of sowing of seed in forest nurseries. Nördlinger.
1870			
Rev. E. & F.	9	293—297	Nursery culture of oak and beech. Fortier.
Krit. Bl. F. u. Jagdw.	52.1	93—101	Notes on seeds and seedlings of pine. Ratzeburg.
Thar. For. Jahrb.	20	109—114	Description of germinating apparatus. Nobbe.
Zeitschr. F. & J.	2	399—401	Abnormal acorns. Hartig.
Allg. F. & J. Ztg.	46	153—154	Note on use of Hannemann germ-plate to determine germinating power of seeds. Middeldorf.
" "	46	164—166	Note on forest nurseries.
" "	46	436—437	Description of planting tool. Rembe.
Monatschr. F. & J.		471—477	Storage and sowing of acorns. Wiesner.
1871			
Rev. E. & F.	10	40—57	Nursery tools. Dejean.
Zeitschr. F. & J.	3	429—430	Note on a seed-kath for conifers. Frambling.
Monatschr. F. & J.		102—107	Note on instrument for making seed-furrows. v. Mühlen.
Thar. For. Jahrb.	21	193—197	Water cultivation of plants and seedlings. Nobbe.
1872			
Monatschr. F. & J.	16	321—323	Use of covering netting in forest nurseries. Roth.
" "	16	413—428	Effect of air movements on tree-seeds. von Neerg.

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
1872	Allg. F. & J. Ztg.	48	101-102 The application of electrical apparatus in seed-extraction.
	Zeitschr. F. & J.	48	228-231 Notes on the manuring of forest nurseries. Vonhausen.
	"	4	37-47 The need for manuring in forest nurseries, and the use of artificial manures. Schutze.
1873	Rev. E. & F.	12	259-263 State nursery at Arpajon, Cantal. Grys.
	Zeitschr. F. & J.	5	65-74 Discussion on use of seed boards and planting boards. Danckelmann.
	Monatschr. F. & J.	17	60-63 Relations of the conifer seed-trade in 1873. Braun.
1874	Allg. F. & J. Ztg.	49	152-154 Note on use of steam power in forest nurseries.
	Zeitschr. F. & J.	6	113-115 Seed extraction statistics from Prussia, 1871-1872.
	" "	6	255-258 Discussion on permanent and moveable nurseries, in pine cultivation. Schaeffer.
1875	Thur. For. Jahrb.	24	203-217 The maturity and germination of spruce seeds. Nobbe.
	Monatschr. F. & J.	18	289-304 Forest nursery experiments. Dulk.
	Rev. E. & F.	14	10-11 Mineral fertilisers in nurseries. Fabre.
1876	"	14	270-271 Preservation of acorns. Samie-Fare.
	Monatschr. F. & J.	19	145-151 The silvicultural value of intensive soil treatment in nurseries. Fischbach.
	Ind. For. "	19	337-357 Investigations on the depth of sowing forest seeds. Rau.
1877	Vereinsschr. F.-J. Naturk.	1	305-309 Nursery treatment of sundry trees in India. Craw.
	Zeitschr. F. & J.	89	99-100 Note on two machines for sowing.
	" "	7	246-266 Beech and oak mast years, and comparison with the weather. Lauprecht.
1878	" "	7	271-284 Results of the seed-harvest in Prussia, 1873. Eberts.
	" "	7	285-299 Description of Drewitz's machine for sowing pine. Bernhardt.
	Allg. F. & J. Ztg.	51	33-34 The seed-harvest in Prussia in 1874. Bernhardt.
1879	" "	51	439-440 Forest seed harvest in Germany, 1874-1875.
	" "	51	Quantity of mineral substances in seedlings.
	Rev. E. & F.	15	196-203 Optimum conditions for sowing.
1880	Ind. For.	2	314-318 On dealing with rats in nurseries. Hight.
	Allg. F. & J. Ztg.	52	38-39 Notes on seed harvests 1875-6. Keller et al.
	Zeitschr. F. & J.	52	72-74 Notes on soil augers. Hess.
1881	" "	8	126-127 Results of seed extraction establishments in Prussia, 1873-1874.
	" "	8	336-350 Forest seed harvest in Prussia, 1875. Bernhardt.
	" "	8	403-410 Observations on permanent and temporary pine seed nurseries. Meyer.
1882	" "	8	415-418 Description of germination apparatus. Weise.
	" "	8	486-487 Statistics of seed extraction establishments in Prussia, 1874-1875.
	Ind. For.	3	147-149 Method of raising seedlings in bamboo tubes. Baden-Powell.
1883	Zeitschr. F. & J.	9	69-85 Results of the seed-harvest in Prussia, 1876. Bernhardt.
	Monatschr. F. & J.	21	24-28 Notes on the cost of rearing trees in nurseries. Dutsch.
	" "	21	437-442 Notes on the cost of rearing trees in nurseries. Schmitt.
1884	Rev. E. & F.	17	68-70 Nursery work in Grand Chartreuse. Guinier.
	Allg. F. & J. Ztg.	54	416-420 Notes on the protection of nurseries. Moller.
	Zeitschr. F. & J.	10	51-61 Notes on manuring of pine seed beds. Schutze.
1885	" "	10	531-543 Forest seed harvest in Prussia, 1878. Weise.
	" "	10	611-616 Forest seed harvest in Germany, 1879. Eberts.
	Ind. For.	5	196-199 On the germination of acorns in nurseries of Darjeeling. McDonell.
1886	Forstw. Centralbl.	23	388-398 On the rearing and treatment of one-year old pine ball plants. Lang.
	" "	23	463-466 Institute at Hohenheim for examining seeds, and its organisation.
	Forstw. Centralbl.	24	15-28 Investigations on germinating power of seeds of different trees. Baur.
1887	" "	24	605-609 Investigations on influence of size of acorns on development of tree plants. Baur.

## SILVICULTURE—SEED AND SEDDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Allg. F. &amp; J. Ztg.</i>	56	41—46	Notes on the treatment of forest nurseries. <i>Vonhausen</i> .
" "	56	81—86	Analysis of seeds from healthy pines and from pines affected by <i>caterpillars</i> . <i>Hausen</i> .
<i>Zeitschr. F. &amp; J.</i>	12	107—117	Forest seed harvest in Prussia, 1879. <i>Weise</i> .
" "	12	168—175	Forest seed prices in Germany, 1880. <i>Riedel</i> .
" "	12	601—603	Notes on germination apparatus. <i>Kienitz</i> .
<i>Zeitschr. F. &amp; J.</i>	13	46—56	Results of the seed harvest in Prussia, 1880. <i>Weise</i> .
" "	13	331—338	The influence of the seed on treatment of young plants. <i>Booth</i> .
" "	13	519—551	Observations on the number of cones on pines in winter 1880—1881. <i>Kienitz</i> .
<i>Thar. For. Jahrb.</i>	31	57—68	The maturity and germination of spruce seeds. <i>Nobbe</i> .
" "	31	79—85	The storage of beech nuts in sand. <i>Fuldaer</i> .
" "	31	120—127	Observations on the preparations of seed beds. <i>Popel</i> .
<i>Allg. F. &amp; J. Ztg.</i>	57	177—179	Notes on forest nurseries in Germany.
" "	57	362—363	Use of carbolic acid as seed protector.
<i>Vereinszchr. F. J. u. Naturk.</i>	118	113—115	Extraction and storage of fir seed in Bohemia.
" "	118	115	Short note on pine seed. <i>Zentner</i> .
<i>Thar. For. Jahrb.</i>	32	93—96	Note on sowing of spruce in Bohemia. <i>Schwarz</i> .
<i>Zeitschr. F. &amp; J.</i>	14	67—71	The storage of beech nuts in sand. <i>Hartwig</i> .
" "	14	68—78	Forest seed harvest in Prussia, 1881. <i>Weise</i> .
" "	14	120—123	Influence of position of sown acorns on development of plants. <i>Kienitz</i> .
" "	14	165—183	Utility of pine sowing machine in large-scale operations. <i>Schlieckmann</i> .
" "	14	198—201	Forest seed prices in Germany, 1881. <i>von Alten</i> .
" "	14	474—477	Results of seed extraction establishments for pine, Germany, 1880—1881.
<i>Allg. F. &amp; J. Ztg.</i>	58	69	Note on the size of seed. <i>Vonhausen</i> .
<i>Vereinszchr. F. J. u. Naturk.</i>	121	147—150	Best places for sowing spruce. <i>Hahn</i> .
<i>Allg. F. &amp; J. Ztg.</i>	59	3—12	Description of a lining-out machine for conifers. <i>Hacker</i> .
" "	59	298—303	Wintering of acorns, beech nuts and alder seeds. <i>Heyer</i> .
" "	59	403—409	A new type of damage done to spruce and silver fir seeds. <i>Hartig</i> .
<i>Zeitschr. F. &amp; J.</i>	15	105—115	Results of the seed harvest in Prussia, 1882. <i>Weise</i> .
" "	15	158—160	Notes on ripe and unripe cones, and the assurance that seed establishments are not buying prematurely gathered cones. <i>Weidemann</i> .
" "	15	628—629	Notes on the seeds of Weymouth pine. <i>von Alten</i> .
<i>Allg. F. &amp; J. Ztg.</i>	60	7—11	Description of a new instrument for lining-out seedlings. <i>Fischbach</i> .
" "	60	162—163	Notes on the transplanting of oak. <i>Osterheld</i> .
" "	60	186—189	Discussions on the cultivation and method of planting of <i>Pinus</i> . <i>Hamburg</i> .
" "	60	241—243	The over-wintering of beech-nuts,orns and chestnuts. <i>Wieber</i> .
<i>Zeitschr. F. &amp; J.</i>	60	371—372	Notes on a new apparatus used in germination. <i>Ebert</i> .
" "	60	48—59	Statistics of forest seed harvest in Prussia. <i>Hellwig</i> .
" "	60	172—173	Results of German seed extraction establishments, 1882—1883. <i>Alndt</i> .
" "	60	233—246	Storage of one-year old pines in ditches. <i>Brettmann</i> .
" "	60	653—654	Preservation of beech seeds during winter. <i>Ohrt</i> .
<i>Ind. For.</i>	10	55—56	Short notes on the nursery treatment of deodar and other trees in India. <i>Caw</i> .
<i>Trans. Scot. Arb. Soc.</i>	10	156—165	Collection and treatment of seeds. <i>McLean</i> .
<i>Zeitschr. F. &amp; J.</i>	17	25—28	The 'Planzharke'—an instrument for lining-out very small plants. <i>von Alten</i> .
" "	17	60—75	Results of seed-harvest in Prussia in 1883. <i>von Alten</i> .
" "	17	405—407	Autumn covering of pine nurseries as a protection against needle-shedding. <i>Hellwig</i> .
" "	17	492—493	Notes on conifer seedlings in Germany. <i>von Alten</i> .

## FOREST BIBLIOGRAPHY TO 1933. PART I

1885	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Zeitschr. F. &amp; J.</i>	17	537—548	Notes on the extraction of pine seeds in official Prussian seed establishments. <i>Schleckmann</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	61	197—199	Description and use of a lining-out frame. <i>Eck</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	133	95—105	Statistics of sowing in Bohemia.
1886				
	<i>Ind. For.</i>	12	262	Period of ripening of conifer seeds in the Himalayas.
	"	12	563—564	Nurseries for rubber, <i>F. elastica</i> .
	<i>Zeitschr. F. &amp; J.</i>	18	481—484	Description of germination apparatus. <i>von Alten</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	62	65—66	Discussion on lining-out of conifer seedlings. <i>Neumeister</i> .
	" "	62	328	Note on rolling of young conifer seed-beds. <i>Raess</i> .
	" "	62	433—434	Note on protection of seed-beds against birds. <i>Brill</i> .
	" "	62	434—435	Note on lining-out of conifer plants. <i>Hacker</i> .
1887				
	<i>Allg. F. &amp; J. Ztg</i>	63	112—116	Investigations on most suitable times for transplanting conifers. <i>Walther</i> .
	" "	63	155—157	The purchase of North American seeds. <i>Majr</i> .
	" "	63	397	Description and use of a lining-out instrument. <i>Gerlach</i> .
	<i>Zeitschr. F. &amp; J.</i>	19	2—5	Notes on the cultivation of oak nurseries. <i>Schwappach</i> .
	" "	19	5—9	When is larch seed shed? <i>Weise</i> .
	" "	19	10—13	Notes on seeding and its influence on the cultivation of young pines. <i>von Alten</i> .
	" "	19	116—134	Seed-harvest from the important trees in Prussia in 1886. <i>Schwappach</i> .
	<i>Forstw. Centralbl.</i>	31	194—196	Seed storage and sowing <i>Pinus cembra</i> . <i>Coaz</i> .
	<i>Ind. For.</i>	13	285—286	On the transmutation of seeds from the tropics. <i>Watson</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	144	126—133	The duration of germinating power in coniferous seed
1888				
	<i>Vereinsschr. F.-J. u. Naturk.</i>	150	113—116	Hacker's machine for lining-out conifers.
	<i>Allg. F. &amp; J. Ztg</i>	151	62—70	<i>Swoboda's</i> sowing machine.
	" "	64	102	Short account of forest seed harvest in Prussia in 1886.
	" "	65	413	Note on pruning of ash and alder plants in the nursery. <i>Heyer</i> .
1889				
	<i>Rev. F. &amp; F.</i>	28	145—151	Effect of seed production on increment. <i>Hartig</i> .
	<i>Thar. For. Jahrb.</i>	39	105—131	Sowing and planting spruce. <i>Neumeister</i> .
	<i>Ind. For.</i>	15	207—214	The production of seed in relation to growth. <i>Hartig</i> .
	<i>Zeitschr. F. &amp; J.</i>	15	462—463	General notes on the sprouting of seeds.
	" "	21	97—113	The seed harvest from important trees in Prussia in 1888. <i>Schwappach</i> .
	" "	21	147—154	Notes on the improved Hacker machine for nurseries. <i>Dittmar</i> .
	" "	21	228—232	On furthering the natural sowing of spruce seeds. <i>Allum</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	65	13—17	The influence of seed-production on the growth of trees. <i>Hartig</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	65	198—201	Observations on the fruit yield of <i>Fagus</i> in 1888. <i>Pfizenmayer</i> .
	" "	154	29	Experiments in sowing spruce and pine in Bohemia. 55 pp.
1890				
	<i>Forstw. Centralbl.</i>	34	263—265	Control of seeds in the imperial forest station at Mariabrunn.
	" "	34	338—348	Oak nursery stands in Spessart. <i>Sell</i> .
	<i>Vereinsschr. F.-J. u. Naturk.</i>	34	535—539	Seed lath for coniferous seeds. <i>Esslinger</i> .
	<i>Thar. For. Jahrb.</i>	161	58—61	On the distribution of seedlings in Bohemian forests.
	" "	40	103—107	Examination of germinating power of forest seeds. <i>Nobbe</i> .
	" "	40	107—112	Degree of warmth required in seed-beds. <i>Nobbe</i> .
	" "	40	112—114	Numerical relationship between plants produced in the seed-bed and seed sown. <i>Nobbe</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	66	31	Note on the germination of elm seeds.
	" "	66	31—32	Notes on the germination of beech in 1889.
	<i>Zeitschr. F. &amp; J.</i>	22	122—124	Notes on apparatus for cutting seeds. <i>Grieb</i> .
	" "	67	671—673	Preservation of acorns in winter. <i>Biedermann</i> .
1891				
	<i>Vereinsschr. F.-J. u. Naturk.</i>	167	132—133	Summary of experiments on reliability of various seeds.
	<i>Ind. For.</i>	170	78—80	Note on machine for seed sowing.
	<i>Allg. F. &amp; J. Ztg.</i>	67	36	Average duration of germinating power of Indian seeds. <i>Watson</i> . (Extr. <i>Gardener's Chronicle</i> .)
	" "	67	71	Note on aids to planting. <i>Grinewald</i> .
				Seed extraction of conifer seeds in Wiener-Neustadt, Austria. <i>Stainer</i> .

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEFLY PARTICULARS
<i>Allg. F. &amp; J. Ztg.</i>	67	292	Discussion on use of seedlings from light seed of pine. Kroll et al.
<i>Zeitschr. F. &amp; J.</i>	67	439—440	Note on germination of seeds of Cembra pine. Hallbauer.
	23	445—461	The harvest of seeds of the most important trees of Prussia in 1890. Schwappach.
" "	23	410—413	Treatment of nurseries with artificial manures. Schwappach.
" "	23	729—730	Note on a new machine for sowing. Engler.
<i>Ind. For.</i>	18	22	A new hand seed-drill. Lushington.
" <i>Vereinschr. F.-J. u. Naturk.</i>	18	178—181	The germination of teak. Moss.
	173	30—32	Note on Hacker's lining-out machine.
<i>1893</i>			
<i>Thar. For. Jahrb.</i>	43	129—156	Manuring experiments in spruce nurseries. von Schroeder.
<i>Forstl. Naturw. Zeit.</i>	2	63—69	Cones, seeds and sprouts of <i>Picea omorika</i> Poncet. Holl.
" " "	2	369—375	Observations on sowing seeds for timber. Dobrovolsky.
" " "	2	432—455	On morphology, anatomy and development of seeds of <i>Abies linearis</i> . Tuber.
<i>Allg. F. &amp; J. Ztg.</i>	69	17—19	Description of a germinating apparatus. Pfizenmayer.
" " "	69	35—36	Description of forest nursery instruments called "plant-holder." Rebmann.
" " "	69	72	Forest seed harvest. Sohn.
" " "	69	106—107	Forest seed harvest in Germany, 1892—1893. Appel.
" " "	69	435	Forest seed harvest of 1893. Sohn.
<i>Zeitschr. F. &amp; J.</i>	25	160—176	Seed-harvest tables from the important trees in Prussia in 1892. Schwappach.
<i>Ind. For. "</i>	25	237—242	Notes on the treatment of nurseries. Waller.
	19	5—11	Forest nursery experiments at Belfontaine, near Nancy. Bartel. Abs.
" "	19	131	Dispersion of seed by birds. Pustom. (Extr. Rcv. Sci. Nat. Appliquées.)
<i>Bull. S. Fr.-Comité</i>	2	5—15	General notes on provision of seed and formation of nurseries in France. Millischer.
<i>1894</i>			
<i>Rev. E. &amp; F.</i>	33	511—513	Effect of age on germination of fir seeds. Claudot.
<i>Allg. F. &amp; J. Ztg.</i>	70	24—26	The sowing of seed in winter from <i>Pinus</i> in Russia.
<i>1895</i>			
<i>Bull. S. F. Belgique</i>	2	119—120	Effect of age of fir on germination capacity of seed.
" " "	2	253—254	The advantage of sowing in lines in the nursery.
" " "	2	445—447	The effect of origin and size of seed on tree growth.
" " "	2	518—549	Choosing a site for a nursery.
" " "	2	582—584	Note on the forest nurseries at Gravenaer, Belgium. Wessmäel.
" " "	2	861—868	The formation of permanent and temporary nurseries in Europe. Wessmäel.
<i>Allg. F. &amp; J. Ztg.</i>	71	72	Notes on forest seed harvest of 1894—1895 in Germany. Sohn.
" " "	71	105—106	Note on use of turf ashes in forest nurseries. Hess.
" " "	71	428	Protecting of <i>Carya</i> and <i>Juglans</i> seeds against squirrels.
<i>Zeitschr. F. &amp; J.</i>	27	147—174	The seed production of important Prussian trees. Schwappach.
" "	27	728—731	Notes on seed collection in Central Germany.
<i>1896</i>			
<i>Forstl. Naturw. Zeit.</i>	5	293—311	Manuring and nursery experiments in the forest nursery. Heck.
<i>Ind. For.</i>	22	353	Germination of teak seed at Jodhpur. Das.
" " "	22	438—439	On the germination of Sal; illustration.
" " "	28	183—188	Sed prices in Germany, 1896. Hartig.
" " "	38	320—321	Results of spruce and pine seed extraction, 1894—1895. Hartig.
<i>1897</i>			
<i>Bull. S. F. Belgique</i>	4	56—60	Germination tests on conifers at Bonn.
" " "	4	240—251	Notes on dissemination and germination of some forest seeds.
" " "	4	448	The variation of forest seed in respect of origin. Cleslar.
<i>Allg. F. &amp; J. Ztg.</i>	73	101—107	Notes on various aspects of forest nurseries. Lorey.
" " "	73	108	Note on forest seed harvest in Germany. Sohn.
" " "	73	146—147	Report on forest seed harvest, Darmstadt, Germany.
" " "	73	414	Note on germination of silver fir.
<i>Forstl. Naturw. Zeit.</i>	6	337—339	Dying-off of beech-nuts in winter due to <i>Mucor mucedo</i> . Hartig.
<i>Ind. For.</i>	23	370—374	Methods for use in teak nurseries in India. Lowie.

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1898</b>			
<i>Trans. Scot. Arb. Soc.</i>	15	133—147	Experiments with tree seeds. <i>Somerville</i> .
<i>Bull. S. F. Belgique</i>	5	13	Report on methods of seed collection in Belgium. <i>Parisel and Hickler</i> . 19 pp.
" <i>Forstw. Centralbl.</i>	5	319—323	Preservation of acorns; methods in Belgium.
<i>Zeitschr. F. &amp; J.</i>	42	651—654	Forest nursery experiments in Baden, 1897.
<i>Allg. F. &amp; J. Ztg.</i>	30	614—635	Results of spruce and pine seed extraction, 1896—1897.
" " "	74	70	Notes on cone-germination of silver fir in Alsace-Lorraine. <i>Bargmann</i> .
" " "	74	70	Note on peculiar form of germination in silver fir in Switzerland.
" " "	74	111—112	Notes on harvesting of forest seeds of various trees <i>Appel</i> .
" " "	74	414	Note on harvesting of forest seeds.
<b>1899</b>			
<i>Forstw. Centralbl.</i>	43	227—232	Root pruning; Muth's method. <i>Fürst</i> .
<i>Bull. S. F. Belgique</i>	6	21—27	On the nursery at Croix-Noire, Hertogenwald, Austria. <i>Richir</i> .
" <i>F. &amp; J. Ztg.</i>	6	143—153	Research in nursery practice in Belgium.
" " "	75	74—75	The harvesting and sale of seeds of various German species. <i>Appel</i> .
" <i>For. Jahrb.</i>	75	320—321	Manuring in nurseries. <i>Hallbauer</i> .
<i>Zeitschr. F. &amp; J.</i>	49	205—222	Observations on forest seed trade. <i>Nobbe</i> .
" " "	31	183—184	Notes on testing seeds.
" " "	31	189—199	Observations on the dying of beech-nuts in winter. <i>Wulff</i> .
" " "	31	488—489	Statistical survey of seed extraction for pine and spruce in 1897—1898.
<b>1900</b>			
<i>Forstw. Centralbl.</i>	44	518—521	Abnormal cone production in four-year old pine. <i>Trost</i> .
<i>Mittg. D. Dendr. Ges.</i>	9	217—226	Notes on seed testing and seed trade. <i>Rafn</i> . (Eng. version. <i>Trans. Scot. Arb. Soc.</i> 15, pp. 277—288, 1901.)
<i>Ind. For.</i>	26	279	Stimulating the germination of teak seed.
<i>Bull. S. F. Belgique</i>	7	193	Use of nitrate of soda in forest nurseries. <i>Huberty</i> . 29 pp.
" " "	7	514—519	Investigations on the preservation and storage of seed.
" " "	7	622—627	Methods of sowing seeds in forest nurseries in Belgium.
" <i>Zeitschr. F. &amp; J.</i>	7	752—760	Notes on methods of transplanting in nurseries.
" <i>Trans. Eng. Arb. Soc.</i>	32	244—246	Forest seed prices in France, 1900.
<i>Trans. Eng. Arb. Soc.</i>	32	634—636	Pine seed extraction establishment at Eberswalde.
<i>Jnl. For. Suisse</i>	4	262—270	Preparation of land for estate nursery. <i>Forbes</i> .
" " "	51	30—32	Short note on formation of forest nurseries at high altitudes. <i>Grundner</i> .
<b>1901</b>			
<i>Trans. Scot. Arb. Soc.</i>	16	277—288	Importance of tree-seed testing. <i>Rafn</i> .
<i>Rev. E. &amp; F.</i>	40	459—463	Identification of conifer seeds. <i>Hickel</i> .
<i>Allg. F. &amp; J. Ztg.</i>	77	369—373	Comparative experiments on keeping oak seed over winter. <i>Grundner</i> .
<i>Ind. For.</i>	27	152	Packing and transport of seeds. <i>Hart</i> .
<i>Bull. S. F. Belgique</i>	8	553	Germination of teak seed in Satara District, India. <i>Damale</i> .
" " "	8	144—149	Use of nitrate of soda in forest nurseries in Belgium.
" " "	8	525—541	Use of chemical fertilizers in forest nurseries. <i>Huberty</i> .
<b>1902</b>			
<i>Rev. E. &amp; F.</i>	41	74—81	Departmental nurseries. <i>de Sailly</i> .
<i>Forstw. Centralbl.</i>	46	270—273	New shade for seed beds. <i>Rebel-Hofolding</i> .
" <i>S. F. Belgique</i>	46	327—328	Improved Hacker's sowing machine.
" <i>S. F. Belgique</i>	9	61	Forest selection and seed production. 24 pp.
" " "	9	411—421	Use of nitrate of soda in forest nurseries. <i>Huberty</i> .
<i>Ind. For.</i>	28	Appx.	Collection, preservation and packing of seeds. <i>Lace</i> .
<i>Zeitschr. F. &amp; J.</i>	34	176—178	Spitzbergen tools for forest nursery work. <i>Schwappach</i> .
" " "	34	296—297	Manuring with humus and Thomas phosphate to raise strong one-year pines. <i>Schulte</i> .
<b>1903</b>			
<i>Forstw. Centralbl.</i>	47	310—318	Price of nursery stock. <i>Heck</i> .
" " "	47	413—417	Hacker's lining-out machine. <i>Seka</i> .
" " "	47	472—502	Nursery work in Schleswig-Holstein. <i>Schwarz</i> .
<i>Centralbl. f. d. g. Forstw.</i>	47	620—622	New nursery appliances. <i>Schüllermann</i> .
" " "	29	233—251	Influence of weight of spruce cones and seeds on the seedlings. <i>Friedrich</i> .
<i>Mittg. D. Dendr. Ges.</i>	12	77—79	Causes of death of young conifers in seed beds. <i>Buttner</i> .
" " "	12	93—97	Tree seed investigations in 1902—1903. <i>Rafn</i> .
<i>Zeitschr. F. &amp; J.</i>	35	29—39	Institute at Eberswalde for forest seed testing. <i>Schwappach</i> .
" " "	35	140—146	Use of seed drill machines. <i>Titze</i> .
" " "	35	257	Research on one- and two-year pines in sandy soils. <i>Möller</i> .
		34 pp	
		58	

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Allg. F. &amp; J. Ztg.</i>	35	385—400	Ash analyses of three-year old manured spruces. <i>Councilor.</i>
<i>Ind. For.</i>	20	505—507	Notes on forest nursery in the Panch Mahals of India. <i>Pearson.</i>
<i>Bull. S. F. Belgique</i>	10	46—48	Means of hastening germination of <i>Juglans nigra</i> seed.
	10	454	Experiments in nursery practice in Belgium. 12 pp.
<i>Naturw. Zeitschr. L. &amp; F.</i>	1	471—473	Influence of nitrates on germinating seeds and growing plants. <i>Schulte.</i>
<i>Jnl. For. Suisse</i>	54	147—153	The central forest nursery at Royat, France. <i>Fankhauser.</i>
<i>Ind. For.</i>	30	20—22	Notes on the forest nursery, Panch Mahals, India. <i>Wood.</i>
" "	30	198—199	Fertility of seed from Sal coppice shoots. <i>Fischer.</i>
<i>Zeitschr. F. &amp; J.</i>	30	545—548	The study of sandal seedlings. <i>Barbet.</i>
	35	39—51	Yield from seed extractors in Belgium. <i>Fenner.</i>
<i>Forstw. Centralbl.</i>	35	770—771	Nurseries for <i>Alnus glutinosa</i> . <i>Schroetter.</i>
" "	48	123	<i>Pinus sylvestris</i> : source of seed. <i>Schott.</i> 83 pp.
" "	48	141—150	Raising forest nursery stock in Hulstebek. <i>Hermann.</i>
" "	48	449—452	Apparatus for sowing coniferous seed in seed beds. <i>Sauer.</i>
" "	48	463—481	Spruce nursery and plantation work. <i>v. Ublugger.</i>
" "	48	550—557	Artificial raising of ball-plants. <i>Reuter.</i>
" "	48	629—639	Forest nursery management questions. <i>Schwarz.</i>
<i>Zeitschr. F. &amp; J.</i>	37	296—312	Influence of kiln heat on germination per cent. of pine seeds. <i>Haack.</i>
<i>Ind. For.</i>	31	168	Note on the germination of teak and other seeds. <i>Pearson.</i>
<i>Bull. S. F. Belgique</i>	12	97—98	7 pp.
" " "	12	712—718	Production and quality of forest seed in Belgium.
Transplanting investigations in Belgium.			
<i>Centralbl. f. d. g. Forstw.</i>	32	234—236	Dormant seeds.
" " " Belgique "	32	306—315	Germination times for conifers. <i>Zederbauer.</i>
<i>Zeitschr. F. &amp; J.</i>	13	139—149	Beechmast of 1905. <i>Houba.</i>
	38	441—475	Valuation of pine seeds by germination tests. <i>Haack.</i>
<i>Naturw. Zeitschr. L. &amp; F.</i>	38	802—811	Collection of Scots pine seed. <i>Stüberrauch.</i>
	4	36	Causes of germination failure in various important kinds of tree seed. <i>Willmer and Kiesel.</i> 15 pp.
<i>Forstw. Centralbl.</i>	50	18—27	Muth's nursery practice, etc. <i>Bernstein.</i>
" "	50	569—579	Manuring experiments in forest nursery. <i>Schalk.</i>
" "	50	627—633	Rath's lining-out instrument. <i>Rühl.</i> (See also Vol. 51, 1907, p. 168.)
<i>Allg. F. &amp; J. Ztg.</i>	82	76—80	Hacker's lining-out instrument. <i>Petith.</i>
<i>Mittg. D. Dendr. Ges.</i>	15	223—224	Transplanting of oak and beech. <i>Frahm.</i>
(Am.) <i>For. Quar.</i>	4	98—105	Rocky mountain seedling growth. <i>Blumer.</i>
<i>Forstw. Centralbl.</i>	51	168—170	Rath's lining-out instrument. <i>Scheel.</i>
" " " Belgique "	51	409—419	Measurement of germination energy. <i>Wagner.</i>
<i>Ind. For.</i>	14	417	Nursery experiments at Groenendaal. 28 pp.
	33	170	The reproduction of Sal from seed. <i>Levergrove et al.</i> 11 pp.
<i>Quar. Jnl. For.</i>	33	540—552	Reproduction of Sal from seed in India. <i>Sen Gupta.</i>
	1	8—15	Raising trees in the nursery. <i>Forbes.</i>
<i>Trans. Scot. Arb. Soc.</i>	21	220—230	Basic slag on seed beds. <i>Royd.</i>
<i>Bull. S. F. Belgique</i>	15	371	Origin of seed and its variation. <i>Huberty.</i>
<i>Forstw. Centralbl.</i>	52	105—109	New lining-out appliances. <i>Hacker.</i>
" "	52	295—314	Facts, theories and errors about seed origin. <i>Engler.</i>
<i>Centralbl. f. d. g. Forstw.</i>	35	137—139	Seedling of spruce. <i>Soboleff.</i>
<i>Forstw. Centralbl.</i>	51	184—185	Stripping and cutting back spruce transplants to increase drought resistance. <i>Waffes.</i>
" " " Am. For.	53	353—364	Pein's nursery in Halstenbeck. <i>Reitenstein.</i>
<i>Zeitschr. F. &amp; J.</i>	4	42—49	Problems in American nursery practice. <i>Pettis.</i>
	41	353—381	Relation between viability and value of pine seed. <i>Haack.</i>
<i>Trans. Scot. Arb. Soc.</i>	23	67—71	Forest nursery station, Saskatchewan. <i>Kay.</i>
<i>Bull. S. F. Belgique</i>	17	237	Nitrate of soda in nurseries. <i>Huberty.</i> 38 pp.
<i>Forstw. Centralbl.</i>	54	388—394	Raising v. buying seedlings. <i>Jaegerhuber.</i>
	54	667—668	Recognition of foreign tree seed by colour.

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1910</b>			
<i>Centralbl. f d g Forstw</i>	36	22-28	Germination tests. <i>Jacobsen</i> .
" "	36	116-121	Storage of tree seed. <i>Zederbauer</i> . (Transl. <i>Foerster</i> : Proc. Soc. Am. For. 6, pp. 92-97, 1911.)
<i>Naturw. Zeitschr. L. &amp; F.</i>	8	361	Alder sowings. <i>Bolmerle</i> .
<i>Zeitschr. F. &amp; J.</i>	42	342-360	Improvements in extraction of pine seed. <i>Wiebecke</i> . (Transl. (Am.) For. Quar. 9, p. 26, 1911.)
<i>Mittg. D. Dendr. Ges.</i>	19	59-62	Fertility of seed from exotic trees in Germany. <i>Herre</i> .
" " "	19	62-64	Testing viability of seed. <i>Schönjahn</i> .
<b>1911</b>			
(Am.) For. Quar.	9	539-543	The Yale transplanting board. <i>Tourney</i> .
<i>Trans. Scot. Arb. Soc.</i>	24	179-185	Larch seed. <i>Scott-Lhot</i> .
<i>Bull. S. F. Belgique</i>	18	19-29	Sowings in relation to silviculture. <i>Crahay</i> .
" " "	18	86-91	Influence of origin of pine seed. <i>Engler</i> .
" " "	18	594-597	Influence of origin of pine seed. <i>Schwappach et al.</i>
<i>Forstw. Centralbl.</i>	55	148-151	Question of origin of pine seed in Germany. <i>v. Sruw</i> .
" "	55	235-236	Union of seed collecting and nursery establishments. <i>Schwappach</i> .
<i>Centralbl. f. d. g. Forstw.</i>	37	297-310	Some experiments with <i>Pinus montana</i> . <i>Zederbauer</i> .
" "	37	407	Effect on seed of age of parent tree. <i>Zederbauer</i> .
<i>Naturw. Zeitschr. L. &amp; F.</i>	9	226-237	Delayed germination in coniferae and leguminosae. <i>Lakon</i> .
" " "	9	285-298	Anatomy and germination of ash seed. <i>Lakon</i> .
" " "	9	402-409	Effect of reduced temperature with exclusion of air on retention of germination power. <i>Clemens</i> .
<i>Mittg. D. Dendr. Ges.</i>	20	307-313	Forest seed investigations in 1910-1911. <i>Rafn</i> .
<i>Ind. For.</i>	37	634-635	On the longevity of seeds. <i>Rees</i> . (Proc. Roy. Soc. Victoria 23: 2, p. 393)
<i>Proc. Soc. Am. For.</i>	37	661-662	Growth of <i>Hardwickia binata</i> seedlings. <i>Naidu</i> .
<i>Quar. Jnl. For.</i>	6	133-139	Seed production and how to study it. <i>Zon and Tillotson</i> .
" "	5	179-182	Preparation of nursery ground. <i>Keane et al.</i>
<b>1912</b>			
(Am.) For. Quar.	10	3	New tools for transplanting conifers. <i>Mast</i> .
" " "	13	229-234	Prussian seed extraction establishment. <i>Recknagel</i> .
<i>Bull. S. F. Belgique</i>	19	405-409	Nursery experiments.
" " "	19	513-524	Shelter for seedbeds.
<i>Forstw. Centralbl.</i>	56	171-174	German pine seed and plants. <i>Schwappach</i> .
<i>Mittg. D. Dendr. Ges.</i>	21	326-329	Forest seed investigations in 1911-1912. <i>Rafn</i> .
<i>Centralbl. f. d. g. Forstw.</i>	38	157	Influence of light and extreme temperatures on germination of tree seed. <i>Pittauer</i> , 28 pp.
" " "	38	201-212	Experiments with seed of individual trees. <i>Zederbauer</i> . (Abs. (Am.) For. Quar. 1912, 10, pp. 733-734.)
<i>Naturw. Zeitschr. L. &amp; F.</i>	10	401-410	Anatomy and germination of certain coniferous seed. <i>Lakon</i> .
" " "	10	561-573	Pine cone collection and seed extraction. <i>Busse</i> .
<i>Zeitschr. F. &amp; J.</i>	44	20	Remarks on seed origin question. <i>Orlowski and Schwappach</i> , 9 pp.
" " "	44	193	Testing pine seed. <i>Haack</i> , 65 pp.
<i>Proc. Soc. Am. For.</i>	7	117-130	Seed production and how to study it. <i>Dana et al.</i>
<i>Vereinschr. F.-J. u. Naturk.</i>	325	235-254	Sowing and planting of oak in Bohemia. <i>Heyrowsky</i> .
<b>1913</b>			
<i>Quar. Jnl. For.</i>	7	50-53	Nursery methods in New Zealand.
" " "	7	61-63	Purchase of foreign seedlings. <i>Duchesne</i> .
" " "	7	235-239	Collection and storage of seed. <i>Hankins</i> .
<i>Rev. E. &amp; F.</i>	52	207-208	Forest seed: effect of origin on quality. <i>Pard</i> .
<i>Bull. S. F. Belgique</i>	20	304	Seed control in nurseries. <i>Boone et al.</i> , 14 pp.
<i>Forstw. Centralbl.</i>	57	41-42	Spruce cone crop of 1912.
" " "	57	202-205	Another lining-out implement. <i>Weckert</i> .
" " "	57	206-207	Spranz's sowing implement. <i>Woernle</i> .
" " "	57	322-325	Importance of source of pine seed.
<i>Naturw. Zeitschr. L. &amp; F.</i>	11	441	Present situation of the question of the influence of the source of seed supply. <i>Engler</i> , 31 pp.
" " "	11	529-554	Account of forest seed production in Baden from 1863. <i>Seeger</i> .
<i>Zeitschr. F. &amp; J.</i>	45	300-313	Method of improving coniferous seed. <i>Busse</i> .
<i>Proc. Soc. Am. For.</i>	8	127-137	The technique of seed testing. <i>Bates</i> .
<i>Ind. For.</i>	39	240-241	Germination of sandal seed. <i>Thompson</i> .
<b>1914</b>			
(Am.) For. Quar.	12	34-36	Effective fertilizers in nurseries. <i>Retan</i> .
" " "	12	312-318	Effect of drying roots of seedlings of red and white pine. <i>Haasis</i> .

## SILVICULTURE—SEED AND SEEDLINGS

1914	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Forstw. Centralbl.</i>	58	178—179	On the origin of seed. <i>Sivers.</i>
	"	58	315—326	Supply of pine seed of German origin. <i>Esslinger.</i>
	<i>Ind. For.</i>	40	314	Hastening germination of hard seeds by treatment with alcohol. (Extr. Pharm. Jnl.)
	<i>Bull. S. F. Belgique</i>	21	121	Influence of light and cold on germination.
	<i>Mitg. D. Dendr. Ges.</i>	23	24—34	Significance of origin of Scots pine seed. <i>Schwappach.</i>
	" " "	23	35—36	Influence of origin of Douglas fir seed on growth of plants. <i>Schwappach.</i>
	<i>Internat. Rev. Agric.</i>	1580—1581		Tre growth and seed. <i>Berry.</i> Abs. (Jnl. Heredity 5, No. 10, pp. 431—434, Washington, 1914.)
	<i>Naturw. Zeitschr. L. &amp; F.</i>	12	368—374	Why is pine seed so dear? <i>Schultz and Pfeil.</i>
	<i>Zeitschr. F. &amp; J.</i>	46	239—244	Collecting coniferous seed locally. <i>Pelissier.</i>
	" " "	46	399—408	Only German pine seed for German forests. <i>Haack.</i>
	<i>Proc. Soc. Am. For.</i>	9	23	Nursery practice in Austria. <i>Woolsey.</i>
	" " "	9	113—119	Influence of the origin of seed. <i>Pearson.</i>
	" " "	9	552—553	Effect of fertilizers on nursery stock. <i>Zon.</i>
	<i>Centralbl. f. d. g. Forstw.</i>	40	185—202	Seed colour in Austrian pine. <i>Pittauer.</i>
	<i>Am. For.</i>	20	287—297	Planting and seeding methods for American woodlots. <i>Barrus.</i>
	<i>Det. forstl. Forsogso. Dan.</i>	4	295—316	Methods of facilitating germination of juniper and acacia seeds. <i>Baldrai.</i> (Abs. Internat. Rev. Agric. 1915, pp. 593—594.)
1915				
	<i>Jnl. Ecol.</i>	3	35—38	Viability of seeds.
	(Am.) <i>For. Quar.</i>	13	25—30	Treatment of nursery beds with charcoal. <i>Retan.</i>
	" " "	13	361—364	Seed data on some secondary tree species. <i>Ziegler.</i>
	" " "	13	468—471	A system of cost accounts for a forest tree nursery. <i>Chandler.</i>
	" " "	13	554	Method of storing acorns in Russia. <i>Onlieff.</i> Abs. (Liesnoi Jnl. 45, pts. 1, 2, pp. 255—259, Petrograd, 1915.)
	<i>Ind. For.</i>	41	147	Germination of teak seed in Mysore. <i>Mascarenhas.</i>
	<i>Mitg. D. Dendr. Ges.</i>	24	304—305	Blankenburgia seed testing apparatus. <i>v. Schwerin.</i>
	<i>Zeitschr. F. &amp; J.</i>	47	601—604	Depth of sowing acorns. <i>Seelen.</i>
	" " "	47	631—651	The Eberswalde seed-testing Institute and methods of testing forest seed. <i>Schwappach.</i>
	<i>Internat. Rev. Agric.</i>		738	Device for counting seeds. <i>Clark.</i> Abs. (Science 41, No. 1047 p. 132, New York, 1915.)
	" " "		956	Method of preserving acorns for sowing. <i>Onlieff.</i> Abs. (Liesnoi Jnl. 45, pts. 1, 2, pp. 255—259, Petrograd, 1915.)
	" " "		1180	Study of delayed germination of economic seeds. <i>Rose.</i> Abs. (Bot. Ga., 59, No. 6, pp. 425—444, Chicago Ill., 1915.)
	<i>Proc. Soc. Am. For.</i>	10	141—164	A study of Douglas fir seed. <i>Willis and Hofmann.</i>
	<i>Naturw. Zeitschr. L. &amp; F.</i>	13	129—159	Germination of some tree seeds, especially <i>Tilia</i> spp. <i>Kinzel.</i>
	" " "	13	159—178	Studies in delayed germination. <i>Puchner.</i>
	" " "	13	270—271	Reproductive power of oak seedlings. <i>Neger.</i>
	" " "	13	433—467	Frost and light as factors influencing seed germination. <i>Kinzel.</i>
	<i>Thar. For. Jahrb.</i>	66	450—455	Raising ball-plants in bark pots. <i>Gerlach.</i>
	<i>Centralbl. f. d. g. Forstw.</i>	41	81—102	Aims of seed selection. <i>Reuss.</i>
	" " "	41	173—179	Manuring experiments in the forest nursery. <i>Rusnov.</i>
	<i>Det. forstl. Forsogso. Dan.</i>	4	133—134	Storage of acorns over winter. <i>Oppermann.</i>
	" " "	4	294—316	Experiments on origin of oak. <i>Hauch.</i>
	<i>Forstw. Centralbl.</i>	59	83—92	Nitrogenous manuring of two- and four-year old spruce and effect on growth after transplanting. <i>Siefert and Helbig.</i>
1916				
	<i>Internat. Rev. Agric.</i>		1126	Hot water germination of tree seeds. <i>Honing.</i> Abs. (Med. Deli Proefst. 10, No. 1, pp. 16—23, Medan, 1916.)
	<i>Forstw. Centralbl.</i>	60	51—52	Utilization of oak mast.
	<i>Naturw. Zeitschr. L. &amp; F.</i>	14	449—482	Germination of certain tree seeds. <i>Kinzel.</i>
	<i>Proc. Soc. Am. For.</i>	11	91—93	The testing of forest seeds. <i>Rafn.</i> Review <i>Toumey.</i>
	" " "	11	240—243	Importance of source of seed in afforestation. <i>Eckbo.</i>
	<i>Centralbl. f. d. g. Forstw.</i>	11	336	A cheap fertilizer for white pine seedlings. <i>Clark.</i>
	(Am.) <i>For. Quar.</i>	42	383—417	Spruce seed selection research. <i>Reuss.</i>
	<i>Am. For.</i>	22	687—688	Improved form of nursery seed bed frame. <i>Brewster.</i>
	<i>Jnl. For. Suisse</i>	67	145—172	New method of germinating acorns for planting. <i>Marshberger.</i>
				On the production of good quality forest seed of known origin. <i>Engler.</i>
1917				
	(Am.) <i>Jnl. For.</i>	15	619—623	Effect of depth of covering of seed on germination and quality. <i>Show.</i>
	<i>Ind. For.</i>	43	17—18	Use of phenyle in nurseries. <i>Haines.</i>
	<i>Zeitschr. F. &amp; J.</i>	49	591—594	Seed testing. <i>Schwappach.</i>
	Allg. F. & J. Ztg.	93	61—70	Watering forest plants. <i>Tiemann.</i>

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1918</b>			
<i>Quar. Jnl. For.</i>	12	28-43	Seeds of forest trees. <i>Taylor</i> .
<i>Jnl. Ecol.</i>	6	153-156	Plants, seeds and currents in W. Indies and Azores. <i>Guppy</i> . Review.
<i>(Am.) Jnl. For.</i>	16	319-328	Relation of germination in greenhouse and nursery. <i>Show</i> .
" "	16	690-695	Comparison of seed testing. <i>Larsen</i> .
<i>Forstw. Centralbl.</i>	16	761-769	Nursery practice in Pennsylvania. <i>Retan</i> .
<i>Naturw. Zeitschr. L. &amp; F.</i>	62	138-145	Sowing machines. <i>Wolff</i> .
<i>Ind. For.</i>	16	246-260	Beech seed year in sight. <i>Garcis</i> .
" "	16	260-264	Beech and spruce seed crops in 1918
<i>Can. For. Mag.</i>	44	560-570	Artificial propagation of sandal. <i>Mascarenhas</i> .
	44	1860-1862	Sal nurseries in Gorakhpur, India. <i>Howard</i> .
			Nursery methods at St. Jovite, Canada.
<b>1919</b>			
<i>Quar. Jnl. For.</i>	13	289	Germination of ash seed.
<i>Trans. Scot. Arb. Soc.</i>	33	138-146	Forest tree seed. <i>MacLarty</i> .
<i>Bull. S. F. Belgique</i>	22	139	Scots pine seed of Belgian origin. <i>Postkin</i> . 36 pp.
<i>Naturw. Zeitschr. L. &amp; F.</i>	17	53-57	Germination power in theory and practice. <i>Herrmann</i> .
<i>Tectona</i>	12	513-528	Notes on seed production of trees in Java. <i>Beverluis</i> .
<i>Can. For. Mag.</i>	15	355-358	Nursery methods in Canada.
<b>1920</b>			
<i>Quar. Jnl. For.</i>	14	140-141	Germination tests of pine and larch seed.
<i>(Am.) Jnl. For.</i>	18	157-159	Chemical weed control in coniferous nurseries. <i>Kitchin</i> .
" "	18	638-640	Transpiration of conifers and broad-leaved seedlings. <i>Weaver</i> and <i>Morgensen</i> .
<i>Bot. Abs.</i>	5	209	Germination trials with <i>Hevea</i> seed. Abs. (Arch. Rubbert. Nederlandch-Indië 3: 237-243, 1919.)
" "	5	1375	Effect of quality of parent on seed of <i>Pinus jeffreyi</i> . <i>Munns</i> . Abs. (Plant World 22: 138-144, 1919.)
" "	6	558	Seed testing in Sweden. <i>Hagem</i> . Abs. (Svensk Bot. Tidskr. (Stockholm) 13: 71-74, 1919.)
<i>Bull. S. F. Belgique</i>	23	21	Experiments with sowings. 14 pp.
<i>Internat. Rev. Agric.</i>		600	The Eco-dendrological problem of the production of forest seeds. <i>Borghesani</i> . Abs. (Rivista di Biologia, 1, Pts. 5, 6, pp. 559-585, Rome, 1919.)
" " "		952	Physiological predetermination in seeds. <i>Kidd and West</i> . Abs. (Jnl. Appl. Biol. 6, No. 1, pp. 1-26, Cambridge, 1919.)
<i>Dan. Skovf. Tids.</i>	3	191-194	Storage of acorns over two years. <i>Holten</i> . Abs. (Bot. Abs. 7: 1641, 1921.)
<i>Centralbl. f. d. g. Forstw.</i>	46	90-100	Time for collecting seed of common ash. <i>Cieslar</i> .
<i>Det. Forstl. Forslagsr. Dan.</i>	5	195-224	Experiments on the provenience of oak. <i>Hauch</i> .
<i>Forstw. Centralbl.</i>	64	258-259	Experiments in nitrogenous manuring of spruce in nursery.
<i>An. Ist. For. Firenze</i>	5	1-95	Key for distinguishing seeds of conifers. <i>Piccioli</i> .
<i>Can. For. Mag.</i>	16	180	How long will tree seed keep its germinating power? <i>Morton</i> .
" " "	16	241-243	Ontario's tree incubating plant.
<b>1921</b>			
<i>Quar. Jnl. For.</i>	15	160-168	Germination and culture of forest seeds. <i>Hiley</i> .
" " "	15	247-252	Note on the fall of winged seeds. <i>Denham</i> .
<i>Bot. Abs.</i> "	9	1279	Fertility of spruce seed from its northern limit. (Troms district.) <i>Vilhjammer</i> . Abs. (Tidsskr. Skogbr. 28: 218-220, 1920.)
" "	10	58	Air temperature and seed production along the northern timber line in Norway. <i>Krogness</i> . Abs. (Tidsskr. Skogbr. 28 (9/10): 39-56, 1920.)
<i>(Am.) Jnl. For.</i>	19	814-815	Long storage of seeds
<i>Trans. Scot. Arb. Soc.</i>	35	70-72	Treatment of forest seed-beds with disinfectant to prevent damping off. <i>Kay</i> .
" " " "	35	137-143	Experiments on storage of seed. <i>Zederbauer</i> .
" " " "	35	148	Notes on soil sterility in relation to germination. <i>Hobart-Hampden</i>
<i>Can. For. Mag.</i>	17	30-32	How tree seed is gathered. <i>Richardson</i> .
<i>Bull. S. F. Belgique</i>	24	387-398	Observations on forest seed. <i>Postkin</i> .
<i>Schweiz. Zeitschr. Forstw.</i>	24	463-467	Instructions for collection of seed
<i>Deutsche Forstw.</i>	72	191-192	The collection of pine seed. <i>Hertog</i> . Review.
<i>Ecology</i>	36	785-787	Review of forest seed harvest of 1921. <i>Herrmann</i> .
	2	292-303	Relations between soil type and root form of western yellow pine seedlings. <i>Haas</i> . (Abs. Internat. Rev. Agric., 1922, p. 1092.)

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1921</b>			
<i>Zeitschr. F. &amp; J.</i>	53	257—277	Development of seed extraction plant in last 25 years. <i>von Peutz.</i>
<i>Det Forstl. Forsøgsst. Dan.</i>	5	372—390	Experiments in storing acorns and beech-nuts. <i>Johansen.</i> (Eng. summ. and Eng. abs. in Bot. Abs. XI (3): 2383, 1922.)
<b>1922</b>			
<i>Quar. Jnl. For.</i>	16	219—220	Storage of coniferous seed.
<i>Rev. E. &amp; F.</i>	60	356—369	Choice of seeds in silviculture. <i>Hickel.</i>
(Am.) <i>Jnl. For.</i>	20	316—317	Forst tree seeds; storage and chemical treatment. <i>Munns.</i>
" "	20	407—408	Delayed germination in Scots pine in Sweden.
" "	20	642—646	Storage of coniferous tree seed. <i>Tillotson.</i>
<i>Forstw. Centralbl.</i>	66	172—175	Seed production of tapped pine. <i>Planke.</i>
" "	66	405	Importance of origin of oak seed. <i>Matthai.</i> 37 pp.
<i>Ind. For.</i>	66	445—455	Delayed germination of tree seeds. <i>Fuckner.</i>
" "	48	223—229	Nurseries and planting forest trees. <i>Cinchona</i> plantations. Darjeeling District. <i>Russell.</i>
" "	48	262—263	Storing Sal seed.
<i>Bull. S. F. Belgique</i>	48	504	Storage of coniferous seed. 10 pp.
<i>Allg. F. &amp; J. Ztg.</i>	25	57—68	Forest seed. <i>Poskin.</i>
<i>Deutsche Forstzg.</i>	37	202—204	Germination tests of Weymouth pine seed. <i>Schwaephach.</i>
" "	37	116	Protection of acorns from mice with red lead.
<i>Ecology</i>	37	655	Review of forest seed harvest of 1922. <i>Herrmann.</i> 6 pp.
" "	3	65—83	Influence of certain soil factors on growth of tree seedlings. <i>Moore.</i>
<i>Zeitschr. F. &amp; J.</i>	54	65—93	Experimental plantation of pine of different origins. <i>Kienitz.</i>
<i>Sci. Amer.</i>		340	Balling machine for nursery transplants.
<b>1923</b>			
<i>Thar. For. Jahrb.</i>	74	41—47	Organisation of seed supply in Saxony. <i>Neumeister.</i>
<i>Rev. E. &amp; F.</i>	61	64—68	Germination of seed of <i>Cedrus atlantica</i> . <i>Chauday.</i>
(Am.) <i>Jnl. For.</i>	61	202—208	Research on seed selection. <i>Demarlaine.</i>
" "	21	177—179	Forest nursery problems in Pennsylvania. <i>Perry.</i>
" "	21	180—182	Revolutionizing nursery practice. <i>Hastings.</i>
" "	21	369—375	Effect of soaking tree seeds in water at greenhouse temperature on viability and germination. <i>Toumey and Durland.</i>
<i>Trans. Scot. Arb. Soc.</i>	21	732—735	Use of fertilizers in coniferous nursery. <i>Hansen.</i>
<i>Zeitschr. F. &amp; J.</i>	37	22—25	Preliminary experiments on germination of conifer seeds. <i>Gray.</i>
	55	490—495	Age of stand and quality of seed in the spruce seed-year 1921—1922. <i>Ebbersbach.</i>
<i>Centralbl. f. d. g. Forstw.</i>	55	511	The 'Titez' pine seed drill machine.
" "	49	97—149	Practical significance of the origin of seed of pedunculate oak. <i>Cleslar.</i>
<i>Quar. Jnl. For.</i>	17	35	Cultivation of oak in Denmark. <i>Hauch.</i> 25 pp.
" "	17	203—207	First work in afforestation. <i>Forbes.</i>
<i>Can. For. Mag.</i>	19	703—704	Gathering seeds for future forests. <i>Richardson.</i>
<i>Ecology</i>	4	378—390	Frost heaving of western yellow pine seedlings. <i>Haasis.</i>
<i>Mitg. D. Dendr. Ges.</i>	33	164	Fertility of seed from young conifers. <i>Dingler.</i>
" "	33	165—168	Importance of seed source in the case of oak. <i>Wimmer.</i>
" "	33	169—175	Seed collecting. <i>Schlieffen.</i>
<i>Bull. S. F. Belgique</i>	26	11—15	Experimental nurseries at Groendendaal.
" "	26	368—379	Influence of origin of pine seed. <i>Poskin.</i>
<i>Deutsche Forstzg.</i>	38	251—252	Green manuring in nurseries.
<i>Ames Forester</i>	11	113—119	Summary of state forest nursery operations in U.S.A. <i>Watkins.</i>
<b>1924</b>			
<i>Quar. Jnl. For.</i>	18	90—93	Estate forest tree nurseries. <i>Bennett.</i>
<i>Austral. For. Jnl.</i>	7	3	Raising seedlings of Australian native trees.
" "	7	115—136	Gathering seed. <i>Richardson.</i>
" "	7	318	Nursery work in N.S. Wales. <i>Mackay.</i>
" "	50	57—67	Evolution of a Sal seedling. <i>Smythies.</i>
(Am.) <i>Jnl. For.</i>	22	101—105	Public or private production of planting stock. <i>Monte.</i>
" "	22	546—552	Forest nursery practice. <i>Perry.</i>
" "	22	790—792	Labour saving in nurseries. <i>Dague.</i>
" "	22	873—893	Artificial reproduction of redwood. <i>Metcalfe.</i>
<i>Bot. Abs.</i>	13, 10	7015	Effect of location of seed upon germination. <i>Munns.</i> Abs. (Bot. Gaz. 72: 256—260, 1921.)
" "	13, 11	7590	Climax plant formations in Minnesota. <i>Bergman.</i> Abs. (Michigan Acad. Sci. Arts. & Letters 3: 51—60, 1924.)
<i>Forstw. Centralbl.</i>	68	45	Seedlings of foreign races of Scots pine. <i>Münch.</i> 22 pp.
<i>Trans. Scot. Arb. Soc.</i>	33	137—134	Making a nursery at Loch Katrine. <i>Munro.</i>

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOl	PAGE	BRIEF PARTICULARS
1924			
<i>Zeitschr. F. &amp; J.</i>	56	257-286	Influence of age of the mother tree on Scots pine seedlings. <i>Busse.</i>
" " "	56	515-521	Seed sorting. <i>Busse.</i>
<i>Schweiz. Zeitschr. Forstw.</i>	75	366	Spruce seed crop of 1924. <i>Flury.</i>
<i>Centralbl. f. d. g. Forstw.</i>	50	153-157	Seed fall in silver fir forests. <i>Tolksy.</i>
" " "	50	157-159	Remarks on Tolksy's article on seed fall in silver fir forests. <i>Cieslar.</i>
" " "	50	185-192	New studies on significance of origin of seed for silver fir. <i>Cieslar.</i> Review.
<i>Bull. S. F. Belgique</i>	27	174-178	Notes on transplanting.
" " "	27	393-390	Control of origin of Scots pine seed.
<i>Ecology</i>	5	189-191	Natural regeneration of southern white cedar in U.S.A. <i>Korstian.</i>
"	5	340-347	Transpiration studies of coniferous tree seedlings. <i>Pearson.</i> (Abs. Internat. Rev. Agric. 1925, p. 191.)
<i>Deutsche Forstztg.</i>	39	317	Seed investigation and testing for forest trees. <i>Schwauppach</i> and <i>König.</i> 9 pp.
" "	39	559-560	Germinating power of <i>P. Douglasii</i> seeds.
<i>Dansk. Skovf. Tids.</i>	39	1030-1032	Account of forest seed harvest, 1924. <i>Hermann.</i>
" " "	1	67-86	Forest seed analysis in 1922-1923. (Eng. abs. in Bot. Abs. 14 (3): 4279, 1925.)
<i>Mitg. D. Dendr. Ges.</i>	34	107-109	Seed raising of <i>Pinus silvestris</i> . <i>Berg.</i> (Eng. abs. in Bot. Abs. 14 (8): 7012, 1925.)
" " " "	34	109-112	Collecting seed of conifers. <i>Müllers.</i> (Eng. abs. in Bot. Abs. 14 (8): 7102, 1925.)
1925			
<i>Bot. Abs.</i>	14	1550-1552	Germination studies of trees, shrubs and woody plants. <i>Pammel.</i> Abs. (Proc. Iowa Acad. Sci. 29: 257-266, (1922 (1924); 30: 287-293, 1923 (1924); 28: 273-282, 1921, (1923.)
" "	14	4290	Seed science. <i>Schmidt.</i> Abs. (Deutsche Forstzeitung 40: 50-52, 1925.)
" " "	14	5228	Forest tree seed crop, Sweden, 1924. <i>Mellström.</i> Abs. (Skogen 12: 1-19, 1925.)
(Am.) <i>Jul. For.</i>	23	278-281	Coniferous seedlings. <i>Bates.</i>
" " "	23	301-310	Red pine seed extraction. <i>Richardson.</i>
" " "	23	508-512	Fumigating seed. <i>Metcalf.</i>
" " "	23	535-540	Cleaning forest seed. <i>Baldwin.</i>
" " "	23	615-614	Nursery practice in U.S.A. <i>Jones.</i>
" " "	23	860-879	Light requirements of conifer seedlings. <i>Bates.</i>
<i>Ind. For.</i>	51	72-74	Height growth of seedlings. <i>Howard.</i>
<i>Zeitschr. F. &amp; J.</i>	57	231-236	Seed sorting. <i>Busse.</i>
<i>Quar. Jnl. For.</i>	19	305	Storage of ash seed. <i>Arnold.</i>
<i>Bull. S. F. Belgique</i>	29	96-101	Preservation of seeds. <i>Deschamps.</i>
" " " "	28	202-204	Methods of nursery sowings.
<i>S. d'sche F. &amp; J. Ztg</i>	25	337-338	Treatment of coniferous seeds to stimulate activity before sowing. <i>Duschek.</i>
<i>Forstl. Jahrestb.</i>		208	Research on kiln extraction of pine and spruce seeds at different temperatures. <i>Romell.</i>
<i>Ecology</i>	6	48-51	Ecological effects of shading coniferous nursery stock. <i>Korstian.</i>
<i>Silka</i>	13	169-179	Large and small nurseries. <i>Brandt.</i>
<i>Deutsche Forstztg.</i>	40	1013	Account of forest seed harvest, 1925. <i>Hermann.</i>
" " "	40	1233-1236	Spitzenberg sowing, rolling, etc., machines <i>Knust.</i>
1926			
<i>Bot. Abs.</i>	15	507	Cleaning spruce and pine cones. <i>Romell.</i> Abs. (Skogen 12: 189-199, 1925.)
" "	15	3536	Storage of acorns and beech-nuts. <i>Willie.</i> Abs. (Deutsche Forstzeitung 40: 1166-1167, 1925.)
<i>Biol. Abs.</i>	1	1111	Observation of forest seed origin and planting results. <i>Eneroll.</i> Abs. (Skogen 13: 131-139, 1926.)
" "	1	1141	1925 forest tree seed crop in Sweden. <i>Mellstrom.</i> Abs. (Skogen 13 (7): 11-32, 1926.)
" "	1	1152	Supplying Sweden with forest seed. <i>Romell.</i> Abs. (Skogen 13: 115-132, 1926.)
(Am.) <i>Jul. For.</i>	24	428-435	Silviculture of Christmas trees. <i>Keithley.</i>
" " "	24	931-932	Seed sowing by aeroplane. <i>Judd.</i>
<i>Forstarchiv</i>	2	918-949	An aid in establishing sand flat tests. <i>Wakely and Chapman.</i>
	2	21-25	Nursery tools. <i>Steppuhn.</i>

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1926</b>			
<i>Bull. S. F. Belgique</i>	29	364—377	Cause and prevention of damping off. <i>Delevoy</i> .
<i>Ecology</i>	7	191—219	Influence of soil and light conditions on the establishment of reproduction. <i>Barrington Moore</i> .
<i>Det Forstl. Forsogsv. Dan.</i>	8	382	Killing germinating seeds by frost. <i>Oppermann and Bornebusch</i> .
<i>Forstw. Centralbl.</i>	70	785—791	The Holstein nurseries and their significance. <i>Mende</i> .
"	70	849—863	Growth of oak in relation to weight of acorn. <i>Eittingen</i> .
<i>Deutsche Forstzg.</i>	41	1177—1179	Account of forest tree seed harvest of 1926. <i>Herrmann</i> .
<i>Zeitschr. F. &amp; J.</i>	58	29—41	Germination of pine seed. <i>Schmidt</i> .
"	58	197—225	Perfecting methods of coniferous seed extraction. <i>von Pents</i> .
<i>Lesnická Práce</i>	5	257—259	The superiority of oaks grown from Slavonian seeds in Czechoslovakia. <i>Rueicka</i> .
<i>Am. For.</i>	32	446	Douglas fir: distance wind carries seed.
<b>1927</b>			
<i>Nature</i>	119	198	Sulphuric acid to help germination. <i>Berkeley</i> .
"	120	346	Weed sprays. <i>Aslander</i> .
(Am.) <i>Jnl. For.</i>	25	62—67	Effect of spacing and root pruning on the development of transplants. <i>Janouch</i> .
"	25	130—144	Better seeds, better trees. <i>Bates</i> .
<i>Bull. S. F. Belgique</i>	30	25—30	Results of experiments in the nurseries at Groenandael. <i>Delevoy</i> .
"	30	237—238	Quantity of seed for sowing in nurseries.
"	30	416—424	Development of <i>mycorrhiza</i> on pines in raw humus. (Summary of Melin's 1926 paper: Bull. de l'Inst. d'exp. for. de la Suède No. 23, 1926.) <i>Antoine</i> .
"	30	497—505	Damping off of seedlings. <i>Delevoy</i> .
<i>Biol. Abs.</i> "	1	3271	Fumigation of dormant nursery stock. <i>Cory</i> . <i>Abs.</i> (Jnl. Econ. Ent. 19 (2): 378—383, 1926.)
"	1	11460	Seed germination in <i>Betula populifolia</i> . <i>Weiss</i> . <i>Abs.</i> (Amer. Jnl. Bot. 8 (10): 737—742, 1926)
<i>Deutsche Forstzg.</i>	42	578—581	Significance, and guarantee of seed origin. <i>Schwappach</i> .
"	42	906—908	New portable seed extraction plant. <i>Recke</i> .
"	42	1233—1235	Account of seed harvest in Germany, 1927. <i>Herrmann</i> .
<i>Austral For. Jnl.</i>	10	178—185	Propagation from seed. <i>Legat</i> .
"	10	331	Spacing in nursery and root pruning.
<i>Emp. For. Jnl.</i>	6	304—305	Factors controlling germination in oaks.
<i>Trans. Scot. Arb. Soc.</i>	41	63	Scottish nursery practice at the beginning of the 19th century. <i>Anderson</i> . 25 pp.
<i>Forstw. Centralbl.</i>	71	168—183	Depth of covering and germination of spruce seed. <i>Rubner</i> .
"	71	386	Influence of shade on different species. <i>Tscheng Gia</i> . 37 pp.
<i>Sven. Sk. Tids.</i>	25	47—50	Investigations regarding best times for sowing conifers. <i>Hedemann-Gade</i> .
<i>Ecology</i>	8	435—444	Mortality in flowers, fruits, and young seedlings of trees in Knysna forests, S. Africa. <i>Phillips</i> .
<i>Forstarchiv</i>	3	55—56	Causes of colouration of germinating <i>Coniferae</i> . <i>Liese</i> .
"	3	81	Sensitivity of germinating plants to pH value. <i>Schmidt</i> and <i>Kohn</i> . 7 pp.
"	3	87—92	Seed extraction and nursery statistics. <i>Hilf</i> .
"	3	97—99	Experiments with four-year transplanted spruce. <i>Oelkers</i> .
"	3	100—101	Forest nursery management in Mecklenburg. <i>Arnswaldt</i> .
"	3	369—371	Climbing irons useful in seed collection. <i>Hilf</i> .
"	3	386—388	Nitrogenous manuring of spruce seedlings, especially concerning optimum season. <i>Manshard</i> .
<i>Schweiz. Zeitschr. Forstw.</i>	78	336—339	Inheritance by seed of characters of mother tree, etc. <i>Flury</i> .
<i>Mitg. D. Dendr. Ges.</i>	38	193—197	Harvesting and extraction of forest tree seed. <i>Bohlje</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>	27	97—100	Obtaining a preparation of forest seed. <i>Reuss</i> .
<i>Silva</i>	16	161—167	Large, central and small forest nurseries. <i>Kienitz</i> .
"	15	370—371	Account of forest seed harvest for 1927. <i>Herrmann</i> .
<i>Zeitschr. F. &amp; J.</i>	50	65—87	Influence of time of harvesting, age of mother trees and altitude on seed quality of <i>Pinus excelsa</i> . <i>Hilf</i> .
"	59	744—753	Investigation on seed from Lithuanian pine cones with various shaped apophyses. <i>Kucharski</i> .
<b>1928</b>			
<i>Biol. Abs.</i>	2	2765	Depth of planting of acorns. <i>Hesselink</i> . <i>Abs.</i> (Landbouwk. Tijdschr. 38: 16—19, 1928.)
"	2	2795	Extraction of <i>Pinus laricio</i> seed. <i>Mackay</i> . <i>Abs.</i> (Espana Forest 11: 69. 34 pp.)

FOREST BIBLIOGRAPHY TO 1933: PART I

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<i>Biol. Abs.</i>	2	2901	The seed origin question in Germany. <i>Wibeck, Abs. (Sven. Sk. Tids. 24 (11/2), 381-408, 1926)</i>
" "	2	6791	Germination of some pines and other trees <i>Pammel and King, Abs. (Proc. Iowa Acad. Sci. 32: 123-132, 1925-1926)</i>
" "	2	18465	Drought and sowing methods. <i>Eneroöth, Abs. (Skogen 15 (10): 285-293, 1928.)</i>
" "	2	18487	Errors in seed germination tests. <i>Kapper, Abs. (Mitteil. Leningrader Forstinst. 1926 (33): 158-198.)</i>
" "	2	18895	Germination of tree seeds. <i>Pammel and King, Abs. (Proc. Iowa Acad. Sci. 33: 97-119, 1926-1927.)</i>
<i>Can For Mag</i>	24	85-86	Seed extraction plant in British Columbia. <i>Chicanot.</i>
<i>Am. For Club Quar.</i>	7	14-16	Steam sterilisation of seed beds. <i>Scheffer.</i>
<i>Rev E &amp; F</i>	66	279-299	Nursery practice in Corrèze, France. <i>Boubaï.</i>
" "	66	300	Note on influence of soil acidity on development of seedlings of some forest species. <i>Oudin.</i>
<i>Jul For Suisse</i>	79	214-215	Damage by frost in nurseries. <i>Rogggen.</i>
<i>Ouvr Jul For.</i>	22	247-253	Seed as a factor in silviculture <i>Leven.</i>
<i>Bull S F Belgique</i>	31	92-94	Destruction of weeds in forest nurseries. <i>Juhlin-Hannfelt.</i>
" "	31	163	Trials of methods to eradicate weeds in nurseries.
" "	31	215-217	Temporary nurseries. <i>Crahay.</i>
" "	31	301-304	A mechanical sower for small forest tree seed. <i>Misson.</i>
" "	31	410-411	Time required for germination of certain seeds.
(Am) <i>Jnl. For.</i>	26	774-785	Hastening pine seed germination. <i>Barton.</i>
" "	26	906-908	Seedlings v. transplants. <i>Schreck.</i>
" "	26	909-912	Effect of density on seed development. <i>Higgins.</i>
" "	26	969-976	Tree seed farms <i>Bates.</i>
<i>Ames Forester</i>	16	74-80	The Gladwin forest nursery. <i>Gibbs.</i>
<i>Austral For. Jnl.</i>	12	54	Losses through root exposure. <i>Carter.</i>
<i>Ind. For.</i>	54	93-96	Effect of siccus on germination of <i>Sal</i> seed. <i>Champion.</i>
" "	54	577-581	Nursery treatment of <i>Eucalyptus</i> <i>Bakhsh.</i>
<i>For Rundschau</i>	1	113	Difficulty of raising Douglas fir seedlings in Holland. <i>Hesselink, Abs. (Ned. Boschbouwkundig Tijdschrift. Feb 1928.)</i>
" "	1	334-335	Preparation of coniferous seeds and their use in regeneration in N. Finland <i>Kuvala, Abs. (Zeitschr. "Tapiö" 6, 7. S 197-201, 1928)</i>
" "	1	370-371	Viability of pine seed in high mountain and north parts of Sweden. <i>Nordfors, Abs. (Norrl. Skogsv.-förb Tidskrift 2, S. 105-103, 3. S. 222-228, 1928.)</i>
" "	1	371-372	Effect of early summer drought in Sweden on seed bed methods. <i>Eneroöth, Abs. (Skogen 10. S. 285-293, 1928)</i>
<i>Schwes. Zeitschr. Forstw.</i>	79	48-50	Guaranteed high level spruce seed. <i>Knuchel.</i>
<i>Deutsche Forstztg</i>	43	348-349	Care of seedlings.
" "	43	693-694	What is the best age to transplant spruce? <i>Siemroth.</i>
" "	43	1167-1172	Hints on the raising of conifers and making of plantations. <i>Christa.</i>
<i>Forslarchiv</i>	4	79-83	Notes on a well managed forest nursery. <i>Jugovitz.</i>
" "	4	83-86	Experiments on sensitivity of seedlings to frost. <i>Görbing.</i>
" "	4	86-88	Temporary forest nurseries in broad-leaved forest. <i>Arnswaldt.</i>
" "	4	91	Germination percentage of pine in nursery. <i>Hilf.</i>
" "	4	163	Significance of cotyledons in development of <i>Pinus sylvestris</i> . <i>Oelsnitz.</i>
<i>Mittg. D. Dendr. Ges.</i>	40	11-19	<i>Ostrya carpinifolia</i> , the hop hornbeam, in the eastern Alps. <i>Scharfeller.</i>
<i>Silva</i>	16	341	Account of forest seed harvest in 1928. <i>Herrmann.</i>
<i>Forstw. Centralbl.</i>	72	40	Gathering of coniferous seed.
" "	72	694-696	Viability of seeds from old silver fir. <i>Fabricius.</i>
<i>Deutsche Forstwirt</i>	10	696-701	Effect of ultra-violet rays on germination. <i>Fabricius.</i>
" "	10	269-270	A simple and cheap small seed kiln. <i>Junack.</i>
" "	10	493-496	Machine or hand power for seed kiln? <i>Schmidt.</i>
<i>Wien. F. &amp; J. Ztg.</i>	46	67	Control of forest seed supplies in various European States. <i>Schreiber.</i>
<i>Lesnická Práce</i>	46	195	Shading of coniferous seedlings in nursery. <i>Denkenberger.</i>
<i>Tectona</i>	7	484-489	Necessity of natural shade in forest nurseries. <i>Polansky.</i>
<i>L'Alpe</i>	21	120-121	Note on germination power of mahogany seeds. <i>Rolvink.</i>
1929	15 (2)	46-49	Cultivation of <i>Cedrus atlantica</i> .
<i>Biol. Abs.</i>			Practical hints on the care of nurseries. <i>Pfeiff, Abs. (Skogen 15 (9): 267-268, 1928.)</i>

## SILVICULTURE—SEED AND SEEDLINGS

1929	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Biol. Abs.</i>	3	2783	Fruit setting of forest trees in 1927. <i>Tidn. Abs.</i> (Statn Skogsforstads-och Flyghad No. 37—38, 1—16, 1927.)
	" "	3	9055	Seed propagation in Hawaii. <i>Judd. Abs.</i> (Hawaii. For. 25 (2): 38—40, 1928.)
	" "	3	9072	The collection of birch seed. <i>Lübeck. Abs.</i>
	" "	3	21267	Pine seed from coastal region of Northcottn. <i>Enroth. Abs.</i> (Skogen 16 (7): 201, 1929.)
	" "	3	21268	The distance to which spruce seed is scattered. <i>Enroth. Abs.</i> (Skogen 16 (5): 140—142, 1929.)
	" "	3	21300	Forest seedling experiments in Rocky Mts. <i>Kirkwood. Abs.</i> (Northwest Sci. 2 (1): 1—8, 1928.)
	" "	3	21361	Prolific seed production in N. Idaho. <i>Weidman. Abs.</i> (Northwest Sci. 1 (4): 78—80, 1927.)
	" "	3	21366	Cone picking with climbing irons. <i>Abs.</i> (Skogen 16 (6): 177—178, 1929.)
	<i>Austral. For. Jnl.</i>	12	27—28	Broadcast sowing in seed beds.
	" "	12	59—60	Steam sterilization of coniferous seed beds. <i>Scheffer.</i>
	<i>Nature</i>	124	481—482	Weed control in forest nurseries. <i>Muskett.</i>
	<i>Jnl. Ecol.</i>	17	351—355	Fruits and seeds dispersed by mammals and birds. <i>Burtt.</i>
	<i>Ind. For.</i>	55	1—3	Importance of seed origin. <i>Champion.</i>
	<i>Tids. Skog.</i>	37	143	The provenience question. <i>Smitt.</i> 33 pp.
	" "	37	475—480	Forest tree seed-getting in Norway, 1929. <i>Eide.</i>
	<i>Jnl. For. Suisse</i>	85	284—286	Seed production and size of beech tree.
	<i>Bull. S. F. Belgique</i>	32	112	Soil covering for nurseries during winter in Belgium. <i>Herbienat.</i>
	" "	32	393—394	Practical weeding method for nurseries. <i>Musson.</i>
	" "	32	475—489	Use of sodium chlorate against weeds in nurseries. <i>Delcroy.</i>
	<i>For. Rundschau</i>	2	87	Use of one-year conifers for planting. <i>Maruoka. Abs.</i> (Sanrin [Der Wald] 553, S. 31—40, 1928.)
	" "	2	100—101	Two germination experiments with elm seeds. <i>Georgescu and Chibleanu. Abs.</i> (Revista Padurilor [Z. f. Forstw.] 40 Nr. 1, S. 34, 1928.)
	" "	2	120	Germination of coniferous seeds of various ages. <i>Vincent. Abs.</i> (Mitg. d. tschech. Ak. der Landwirtsch. 4, S. 786—787, 1928.)
	" "	2	219	Influence of depth of covering on germination of coniferous seeds. <i>Pilat. Abs.</i> (Sjawan, 1928, S. 311—333.)
	" "	2	367	Influence of summer warmth on viability of spruce seeds. <i>Eide. Abs.</i> (Skogbruken 4, S. 102—106, 1929.)
	<i>Deutsche Forstztg.</i>	41	191—195	Treatment of seed with chemicals to protect against fungi etc. <i>Schmidt.</i>
	" "	44	387	Manuring of forest nurseries. <i>Bleit.</i>
	" "	44	462—464	Raising of seedlings in forest nurseries. <i>Aust.</i>
	" "	44	608—609	Potatoes as a manuring crop. <i>Buntrock.</i>
	" "	44	986	Winter storing of acorns and beech-nuts. <i>Brumm.</i> 4 pp.
	" "	44	1031—1034	Account of seed harvest in Germany, 1929. <i>Herrmann.</i>
	<i>Allg. F. &amp; J. Ztg.</i>	105	121—123	The viability of Douglas fir seed. <i>Podhorsky.</i>
	<i>Forstarchiv</i>	5	81—85	Why not 100% larch seed germination? <i>Schnadt.</i>
	"	5	126—130	Purification of larch seed. <i>Hildebrandt.</i>
	"	5	131—134	Should spruce be lined out? <i>Charbula.</i>
	"	5	265—267	Relation of catalytic ferments and seed germination. <i>Schmidt et al.</i>
	<i>Centralbl. f. d. g. Forstw.</i>	55	142—146	Extraction of forest tree seed from cones.
	<i>Zeitschr. F. &amp; J.</i>	61	31—38	Raking of forest tree seedlings. <i>Kandah et al.</i>
	" "	61	141—156	Results of seed tests in Denmark, 1907—24. <i>Jacobsen.</i>
	" "	61	413—428	Research on the use of catalysis as a measure of seed condition. <i>Schmidt.</i>
	<i>Deutsche Forstwirt</i>	11	189	Germination of seeds on burnt over soils. <i>Schmidt.</i> 4 pp.
	" "	11	841	Should big or small seed extraction plants be made? <i>Wüllsch.</i> 6 pp.
	<i>(Hung.) Erd. Kis.</i>	31	117—165	Root studies in the nursery. <i>Magyar. (Ger.)</i>
	<i>Jnl. Land. Agts. Soc.</i>	28	210—217	Planting and nursery costs in England. <i>le Seuer.</i>
	<i>Forstw. Centralbl.</i>	71	249—251	Wire netting for shading seed beds. <i>Amann.</i>
	" "	71	269—276	Effect of woodash on germination and seedling development. <i>Fabrichius.</i>
	" "	73	277	Seedling Spessart oak. <i>Endres.</i> 24 pp.
	<i>Silva</i>	17	258—259	Seedling from <i>Populus alba</i> , <i>tremula</i> and <i>canadensis</i> . <i>Richter.</i>
	<i>Lesnicki Prace</i>	8	497—503	Notes on seed extraction establishments. <i>Vincent.</i>

FOREST BIBLIOGRAPHY TO 1933 : PART 1

1929	PERIODICALS	VOL	PAGE	BRIEF PARTICULARS
	<i>L'Alpe</i>	16 (3)	120-125	Disinfection of nurseries against epidemic diseases. <i>Passavalli.</i>
		16 (4)	175-181	Sowing and transplanting in forest nurseries. <i>Merendi.</i>
		16 (8)	357-367	Seed extraction plant at Cavalese. <i>Marchi.</i>
	<i>S. d'sche F. &amp; J. Ztg.</i>	29	146-148	Nursery management reform. <i>Wolff.</i>
1930				
	<i>Biol. Abs.</i>	4	3805	Light required for coniferous seedling growth. <i>Bates and Roeser.</i> Abs. (Amer. Jour. Bot. 15 (3): 185-194, 1927.)
	" "	4	7365	Germination of conifer seeds. <i>Billmeier.</i> Abs. (Beih. Bot. Centralbl. Abt. 145 (1): 83-96, 1928.)
	" "	4	9414	Dispersal of pine and spruce seed. <i>Hedemann-Gade.</i> Abs. (Skogen 16 (10): 294, 1929)
	" "	4	15930	Germination of oil palm seed. <i>Goosens.</i> Abs. (Bull. Matières grasses Inst. Colonial Marseille 1926 (2). 31-37, 1926)
	" "	4	22505	Germination studies of trees. <i>Pammel and King.</i> Abs. (Proc. Iowa Acad. Sci. 35: 184-197, [1928], 1930.)
	" "	4	25543	Relation of seed size to vigour. <i>Paton.</i> Abs. (Ohio Agr. Expt. Sta. Biro. Bull. 141, 191-194, 1929.)
	" "	4	25545	Seedling material on pine heaths. <i>Rittner.</i> Abs. (Skogen 17 (3): 90, 1930)
	<i>(Am.) Jnl. For.</i>	28	42-49	Sterilization of coniferous seed-beds. <i>Scheffer.</i>
	" " "	28	50-53	Hardening process in tree seedlings. <i>Harvey.</i>
	" " "	28	380-391	Use of wood-lifted seedlings. <i>Claridge.</i>
	" " "	28	492-499	Seed flight in the Douglas fir region. <i>Isaac.</i>
	" " "	28	504-510	Time required for cone production. <i>Strong.</i>
	" " "	28	559-561	Seedling survival on burned and unburned areas. <i>Isaac.</i>
	" " "	28	571	Cold storage and prolongation of life of seed. <i>Isaac.</i>
	" " "	28	571-572	One year storage of white pine seed. <i>Bates.</i>
	" " "	28	853-857	After-ripening treatment of eastern hemlock seed. <i>Baldwin.</i>
	" " "	28	858-863	Acorn storage in southern U.S.A. <i>Korstian.</i>
	" " "	28	1153-1157	A new transplant board. <i>Schantz-Hansen.</i>
	<i>Scot. For. Jnl.</i>	44	23-27	Close and wide spacing of Norway spruce seedlings. <i>Anderson.</i>
	<i>Ind. For. "</i>	44	110-112	Grading of trees in the nursery. <i>Lamb.</i>
		56	455-459	Germination and sowing of <i>Bonsum</i> under shelterwood and <i>Taungya</i> . <i>Adhikari.</i>
	<i>Ecology</i>	11	154-159	Light and moisture in forestry. <i>Pearson.</i>
	<i>Bull. S. F. Belgique</i>	33	192-197	Collection and storage of acorns.
	" " "	33	247-248	Collection and storage of beech-nuts and mast.
	" " "	33	277-287	Notes on raising forest plants in nurseries in France. <i>Mourral.</i>
	" " "	33	334-336	Collection and storage of chestnuts and hornbeam.
	" " "	33	382-383	Collection and storage of birch seed.
	" " "	33	427	Distinctive characteristics in various seeds. <i>Fankhauser.</i>
	" " "	33	507-514	Cleaning methods for forest seeds.
	" " "	33	519-520	Collection and storage of fir seeds.
	" " "	33	521	Hastening germination of hornbeam seed.
	" " "	33	522	Effect of ultra-short electromagnetic waves on seed germination.
	<i>Tids. Skog.</i>	38	187-188	Use of sodium chloride to kill herbage. <i>Bohmer.</i>
	" "	38	329-331	Storage of seed hermetically. <i>Skoug.</i>
	" " "	38	382-388	Seed setting in Norway, 1930. <i>Eide.</i>
	<i>Forstw. Centralbl.</i>	74	48-51	Lime or quicklime for manuring. <i>Goetzinger.</i>
	" " "	74	503-512	Spruce seed yields for 1929-1930. <i>Ernst.</i>
	<i>Deutsche Forstztg.</i>	45	361-362	New and old ways of controlling cockchafer. <i>Eckstein.</i>
	" " "	45	837-840	Rationalisation of management of a west German forest nursery. <i>Strehlke.</i>
	" " "	45	898-900	Should we have private or public seed kilns? <i>Junack.</i>
	" " "	45	982	Effect of ultra-violet rays on spruce seed. <i>Schuk.</i>
	" " "	45	1063-1066	Account of harvest of forest tree seeds, 1930. <i>Herrmann.</i>
	" " "	45	1091-1094	Broadcast sowing and the raising of good quality pine stem. <i>Junack.</i>
	<i>For. Rundschau</i>	3	343	Method of dry cultivation in waste land afforestation in S.E. Europe. <i>Burakov.</i> Abs. (Sunarski List 53. S. 259. 1929. Serbisch.)
	" "	3	392	Determination of germination etc. by Neubauer's method. <i>Hoch.</i> Abs. (Fortschritte der Landwirtschaft 5. S. 791-797. 1930.)
	" "	3	477-478	Yield and quality of Dutch grown Douglas fir seed. <i>Mierop.</i> Abs. (Ned. Bosbouw Tijdschr. 8. S. 245-248. 1930.)

## SILVICULTURE—SEED AND SEEDLINGS

1930	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Thar. For. Jahrb.</i>	81	6-23	Usefulness of manuring beech seed beds with ground limestone. <i>Vater et al.</i>
	<i>Deutsche Forstwirt</i>	81	198-203	Use of spruce branches for protecting seed beds. <i>Weissker.</i>
		12	62-64	Apparatus for determining cleanliness of forest seeds. <i>Griessmann.</i>
	<i>Zeitschr. F. &amp; J.</i>	62	1	National testing and preparation of seed. <i>Schmidt.</i> 38 pp.
	" "	62	365-371	Physiology of seed production by forest trees. <i>Hummel.</i>
	" "	62	498	Influence of origin of Scots pine seed. <i>Wiedemann.</i> 50 pp.
	<i>Forstarchiv</i>	6	65-69	Value of cones from defoliated pine stands. <i>Henning.</i>
	"	6	122-126	Raising of pine trees. <i>Armbuster.</i>
	"	6	133-136	Spruce seedlings or transplants? <i>Graumann.</i>
	"	6	137-138	Effect of quality of seedlings or transplants. <i>Olberg.</i>
	"	6	190-191	Raising of Scots pine in nursery. <i>Kirchhoff.</i>
	"	6	300-302	Density of sowing and seedling development in Scots pine. <i>Dengler.</i>
	"	6	307-314	Present position of seed testing and examination for origin. <i>Schmidt.</i>
	<i>Wien F. &amp; J. Ztg.</i>	48	212	Collection and extraction of forest seeds. <i>Hufnagl.</i>
	" "	48	217-218	Nursery experiments with artificial manure. <i>Eschwege.</i>
	" "	48	215	Experiments on sowing and plant raising. <i>Adler.</i>
	<i>Oesterr. Viertel.</i>	80	261-274	Germination of <i>P. cembra</i> seed. <i>Spirax.</i>
	<i>Silva</i>	18	386	Importance of seed selection and organisation of collecting. <i>Tschernak et al.</i>
	<i>Ecol. Mon.</i>	1 (1)	37-98	Account of forest tree seed harvest, 1930. <i>Herrmann.</i> 4 pp
	<i>Lesnická Práce</i>	9	200-212	Water relations and wilting in conifer seedlings. <i>Marshall.</i>
				Seed extraction of larch cones, and the cleaning of the seeds. <i>Vincent.</i>
	<i>L'Alpe</i>	17 (3)	120-123	Use of shelters in nurseries. <i>Parente.</i>
	"	17 (3)	134-135	Protection from drought in nurseries.
	"	17 (4)	183-184	Summer transplanting of seedlings. <i>Tomé.</i>
	<i>Te Kura Ngahere</i>	17 (6)	275-277	Use of asphalt coverings against drought. <i>U'durno.</i>
		2 (5)	34-35	On height-growth of Kauri seedlings and saplings. <i>Foster.</i>
1931				
	<i>(Am.) Jnl. For.</i>	29	95-99	Distribution of forest planting stock in Pennsylvania. <i>Brouse.</i>
	" "	29	131-133	Effect of ultra-violet light on seed germination. <i>Detwiler.</i>
	" "	29	238-240	Mulching nursery transplants. <i>Starker.</i>
	" "	29	424-425	Successful storage of longleaf pine seed. <i>Wakeley.</i>
	" "	29	679-687	Effect of high temperatures on seed germination. <i>Wright.</i>
	" "	29	895-907	Hastening germination of western pine seedlings. <i>Johnstone.</i>
	" "	29	1150-1164	Observations on sowing southern pine seed. <i>Wakeley.</i>
	" "	29	1165-1167	Western yellow pine seed extraction. <i>Conner.</i>
	<i>Quar. Jnl. For.</i>	25	151-153	Methods used in the Saratoga nursery, New York.
	<i>Emp. For. Jnl.</i>	10	99-104	Nursery practice in S. Africa. <i>Phillips.</i>
	<i>Biol. Abs.</i>	5	5759	Germination studies on certain trees. <i>Pammel and King.</i> Abs. (Proc. Iuva Acad. Sci. 35: 169-183, 1928 (1930).)
	" "	5	8792	Viability of conifer seeds. <i>Lipkin.</i> Abs. (Ann. Weizsächen Staat. Akad. Landw. Gorlitz, 5: 25-33, 1927.)
	" "	5	11663	Storage etc. of seeds and nursery practice. <i>Crocker.</i> Abs. (Florist. Rev. 65 (1684): 43-46, 1930.)
	" "	5	11671	The seed of some imported forest trees; physiological properties. <i>Dimitroff.</i> Abs. (Ann. Univ. Sofia Fac. Agric. 7: 354-376, 1929.)
	" "	5	24875	Hastening germination of coniferous seeds. <i>Barton.</i> Abs. (Amer. Jnl. Bot. 17 (1): 88-115, 1930.)
	" "	5	24894	Raising seedlings in metal cylinders for transport. <i>Diaz.</i> Abs. (Mexico Forest 7 (12): 265-269; 8 (1/2): 15-16, 1929-1930.)
	<i>Ecology</i>	12	476-481	Germination of <i>Quercus montana</i> . <i>Barrett.</i>
	<i>Journ. For. Suisse</i>	12	728-744	Lodge-pole pine seed germination. <i>Haasis and Thruß.</i>
		82	108-114	A public seed drying plant in Switzerland. <i>Henne.</i>
	<i>Bull. S. F. Belgique</i>	82	154	Production of plants from indigenous seed. <i>Hess.</i> 12 pp.
	" "	34	121-123	Germination of walnuts; methods of procuring.
	" "	34	172-173	Protection of acorns from mice damage.
	" "	34	258-260	Collection and storage of spruce seed.
	" "	31	361-362	Collection and storage of sweet chestnuts.
	" "	31	362-363	Collection and storage of <i>Rohinia</i> seed.
	" "	34	474	On root pruning before transplanting seedlings.

## FOREST BIBLIOGRAPHY 10 1933: PART I

PERIODICALS	VOL	PAGE	BRIEF PARTICULARS
<b>1931</b>			
<i>Schweiz. Zeitschr. Forstw.</i>	82	41-47	Importance of knowing origin of forest seed. <i>Flury</i> .
" "	82	101-107	First public seed kiln in Switzerland. <i>Henne</i> .
" "	82	357-360	Raising of Alpine alders in nurseries. <i>Isenegger</i> .
<i>Deutsche Forstzg.</i>	46	81-83	Obtaining good pine seed. <i>Junack</i> .
" "	46	102-1094	Yield of cones from <i>P. sylvestris</i> in Germany in 1929-30 and 1930-31. <i>Werner</i> .
<i>For. Rundschau</i>	4	86	Relation between size and number of cotyledons of <i>Pinus densiflora</i> and <i>Thunbergii</i> seedlings. <i>Morikawa and Samejima</i> . Abs. ( <i>Ringaku-kai Zasshi</i> [Z. d. Forstw. Ges.] 12, S. 661 [32 S.], 1930)
" "	4	87	Microbiological research on forest seed germination. <i>Haségawa</i> . Abs. ( <i>Goryokuko Ringoshiken Hokoku</i> [Mitt. d. forstl. Versuchsanst. Kaisl. Forstamt.] 1 [6]. S. 1-67, 1930.)
" "	4	87	Effect of position and age of mother trees on growth of seedlings. <i>Shirasawa and Sata</i> . Abs. ( <i>Ringoshiken Hokoku</i> [Mitt. d. forstl. Versuchsanst.] 29 S. 37-94, 1930.)
" "	4	251	Pre-germination of tree seeds. <i>Békéy</i> . Abs. ( <i>Erdészeti Lapok</i> 70, S. 55-57, 1931.)
" "	4	469	Planting density for <i>Robinia</i> . <i>Békéy</i> . Abs. ( <i>Erdészeti Lapok</i> 70, S. 1058-1065, 1931.)
<i>Allg. F. &amp; J. Ztg</i>	107	17-19	Selection of forest seed. <i>Vorkampff</i> .
" "	107	112	Manuring experiments on forest seedlings.
<i>Ecol. Mon.</i>	1	39-98	Water relations of seedling conifers. <i>Marshall</i> .
<i>Zeitschr. F. &amp; J.</i>	63	734-740	Seed yield of Scots pine in South Russia. <i>Kapper</i> .
<i>Forstarchiv</i>	7	52-53	Value of cones from resin-tapped trees. <i>Henning</i> .
"	7	113-114	Are spruce seedlings better than transplants? <i>Graumann</i> .
"	7	114-116	Broadcast sowing experiments. <i>Mende</i> .
"	7	117-118	Lifting of small plants from nursery. <i>Baak</i> .
"	7	121	Analysis of dissimilar pine seeds. <i>Vincent</i> .
"	7	165-171	Artificial soil improvement in nursery for <i>Picea excelsa</i> . <i>Neumann</i> .
<i>Thar. For. Jahrb.</i>	82	624-631	Sowing or planting. <i>Busse</i> .
" "	82	821-864	Collection of spruce seed in Saxony. <i>Zimmermann</i> .
<i>Deutsche Forstwirt</i>	13	125-127	Manuring for forest nurseries. <i>Lent</i> .
" "	13	333-335	Kilns for getting good quality seed. <i>Schierstädt</i> .
" "	13	390	Is the abundant harvest of spruce seed due to extra hard winter of 1928-1929? <i>Utenendorff</i> .
" "	13	486	Abundant seed production by spruce due to breaking off of twigs. <i>Kellner</i> . 3 pp.
" "	13	513-516	Control of seed. <i>Jaeger</i> .
" "	13	562-565	Storage of broadcasted tree seed. <i>Schmidt</i> .
" "	13	565-567	Food requirements of seedlings in nurseries. <i>Manshard</i> .
<i>Internat. Rev. Agric.</i>	T31-T34		The problem of the choice of seed in forestry. (Synthetic Article.)
" "		50	The germination of oil palm seed in Sumatra.
<i>Wien. F. &amp; J. Ztg.</i>	49	117	Protection of seedlings against sun. <i>Lischka</i> .
<i>Forstw. Centralbl.</i>	75	113-115	The use of seed bed shelters. <i>Ernst</i> .
" "	75	413	Germination of <i>Sorbus aucuparia</i> seed. <i>Fabricius</i> .
<i>For. Worker</i>	7 (6)	15	Plant selection in seed bed. <i>Fabricius</i> .
<i>S. d'sche F. &amp; J. Ztg.</i>	31	126-128	Handling of pine seed.
<i>Lesnická Práce</i>	10	248-256	Manuring, watering and other procedures in the forest nursery. <i>Wolff</i> .
" "	10	305-315	Premature harvest of pine cones and their quality. <i>Frendl</i> .
<i>L'Alpe</i>	18 (1)	65-66	Modern nursery practice in U.S.A. <i>Wilde and Kliman</i> .
" "	18 (1)	77-86	The Norway spruce-nursery treatment. <i>Di Tella</i> .
" "	18 (2)	130-131	The silver fir-nursery treatment. <i>Giacobbe</i> .
" "	18 (4)	209-212	Protection of seed and seedlings in the nursery. <i>Del Rosso</i> .
" "	18 (7)	349-359	Cultivation of eucalyptus in Italy. <i>Del Rosso</i> .
(Hung.) <i>Erd. Kiss.</i>	33	123-125	Reforestation in Sardinia. Raising of plants. <i>Inghilleri</i> . Apparatus for transplanting. <i>Matusovits</i> .
<b>1932</b>			
<i>Biol. Abs.</i>	6	4936	Rapid method of determining seed fertility. <i>Patterson</i> . Abs. ( <i>Scientific Agric.</i> 11 (10): 704-708, 1931.)

## SILVICULTURE—SEED AND SEEDLINGS

1932	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>Biol. Abs.</i>	6	8159	Germination studies on tree species. <i>Pammel and King.</i> Abs. (Proc. Iowa Acad. Sci. 36: 201—211, 1929 (1931).)
	" "	6	9333	Germination and vitality of birch seed. <i>Josephi.</i> Abs. (Bot. Gaz. 87 (1): 127—151, 1929.)
	" "	6	11056	Moisture requirements of pine and spruce seedlings. <i>Polansky.</i> Abs. (Vestnik Ceskoslov. Akad. Zem. 7 (1): 38—44.5 fig. 1931.)
	" "	6	11057	Note on the Monterrey nursery, Mexico. <i>Saracho.</i> Abs. (Mexico Forest 9 (7/8): 147—150, 1931.)
	" "	6	12864	Germination of pine seed in relation to temperature. <i>Rossi.</i> Abs. (Atti Ist. Bot. 'Giovanni Brion' e Lab. Cittogam. Ital. Univ. Pavia 1: 107—115, 1929 (1930).)
	" "	6	15590	Age of conifers and quality of cone. <i>Vincenti.</i> Abs. (Vestnik Ceskoslov. Akad. Zem. 7 (1): 44—48, 1931.)
	" "	6	22994	Importance of provenience in forestry. <i>Wibrek.</i> Abs. (Kgl. Lantbruks Akad. Handl. och Tidskr. Stockholm 69 (4): 534—558, 1930.)
	<i>Forestry</i>	6	40—52	Nutrition and root and shoot development of seedlings. <i>Aldrich Blake.</i>
		6	175—181	Werds in forest nurseries. <i>Stiven.</i>
	<i>Bull. S. F. Belgique</i>	35	59—62	Methods of raising spruce seed in Belgium. <i>Rijson.</i>
	" " "	35	63—67	Methods of preventing damping off in nurseries.
	" " "	35	326—331	Influence of the origin of seed on growth of spruce.
	" " "	35	407—414	Manuring experiments with phosphates in Belgian nurseries. <i>Deleroy.</i>
	<i>(Am.) Jnl. For.</i>	30	39—46	Breeding; a principle in seed collecting of pine. <i>Righter.</i>
	" " "	30	381—395	Transpiration capacity of coniferous seedlings. <i>Roeser.</i>
	" " "	30	406—408	Comparison of forest-pulled and nursery grown planting stock in N. Minnesota. <i>Shantz-Hansen.</i>
	" " "	30	415—418	Use of paper mulch in forest nursery. <i>Robbins.</i>
	" " "	30	671	Chemical treatments to shorten rest period of acorns. <i>Deuber.</i>
	" " "	30	748—749	Time of seed release in pines. <i>Olson.</i>
	" " "	30	829—830	Effect of concentration of culture solution on <i>P. Ponderosa</i> seedlings. <i>Howell.</i>
	" " "	30	871	Germinative capacity of seed produced from young trees. <i>Olson.</i>
	" " "	30	925—928	Hardening germination of basswood seedlings. <i>Spath.</i>
	" " "	30	941—947	Development of <i>P. ponderosa</i> seedlings in relation to soil types. <i>Howell.</i>
	<i>Ecology</i>	13	311—312	Premature germination of forest tree seed during natural storage in dust. <i>Haig.</i>
	<i>Jnl. Land Agts. Soc.</i>	31	216—222	Notes on nursery practice in Great Britain.
	<i>Deutsche Forstztg.</i>	47	738—742	Foundations of plant selection and breeding. <i>Busse.</i>
	<i>Wien. F. &amp; J. Ztg.</i>	47	971—974	Account of forest seed harvest in 1932. <i>Herrmann.</i>
	" " "	50	3	Manuring of forest nurseries. <i>Jung.</i>
	" " "	50	141	Influence of moisture on seedling development. <i>Kallbrunner.</i>
	" " "	50	262	Protection and increase of soil fauna by artificial soil covering. <i>Prückner.</i>
	" " "	50	265	Resistance of spruce seedling roots to drought. <i>Charibula.</i>
	" " "	50	281	Over winter storing of <i>Juglans nigra</i> nuts. <i>Schwarze.</i>
	<i>Rev. E. &amp; F.</i>	70	373—379	Retention of chlorine by the soil and the action of potassium manures on pine growth in forest nurseries. <i>Nemec.</i>
	<i>Scot. For. Jnl.</i>	70	663—671	The quality and value of seed. <i>Versey.</i>
	" " "	46	185—186	Importance of collecting good quality forest seed. <i>Brown.</i>
	" " "	46	191—192	The question of nurses for seedling crops. <i>Buchanan.</i>
	<i>Nachrichtenblatt f. d. Pflanz.</i>	12	61—62	Loss in germinating per cent. through various methods of seed storage. <i>Rabien.</i>
	<i>For. Worker</i>	8.5	1	Reducing nursery costs in Tennessee.
	" "	8.5	15	Well-fed pines produce more cones. <i>Gemmer.</i>
	" "	8.6	3—4	Nurseries and planting methods in Puerto Rico. <i>Barbour.</i>
	" "	8.6	9	Aluminium sulphate for Douglas fir seedlings in Columbia.
	<i>Ames Forester</i>	20	57—58	Nursery practice at Iowa State Forest College. <i>Janch.</i>
	<i>Deutsche Forstwirt</i>	11	323—326	Draft of new regulation concerning seed provenience. <i>Milnich.</i>
	<i>Forstarchiv</i>	8	113—114	Sowing of larch seed. <i>Kroll.</i>
	" "	8	121—122	Broadleaf sowing in nursery. <i>Stech.</i>
	<i>Forstw. Centralbl.</i>	76	164—167	Seed selection question 160 years ago. <i>Pechmann.</i>
	" "	76	666—671	Microclimate under seed bed covers. <i>Papavaianu.</i>

FOREST BIBLIOGRAPHY TO 1933. PART 1

1932	PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
	<i>For. Rundschau</i>	5	172	Machine for sowing forest seeds. <i>Godneff</i> . Abs. (Forstwirtsch u. Waldausbeutung Nr. 3. S. 60-61. Leningrad. 1932.)
	" "	5	230	Diseases and damage to nursery plants in 1930. <i>Werth</i> . Abs. (Mitt a. d. Biolog. Reichanst. f. Land- u. Forstwirtsch. Berlin-Dahlem. H. 44. 1932.)
	<i>Ind. For.</i>	58	35-36	Peg sowing of Chile seed. <i>Bakhsh</i> .
	<i>Tectona</i>	25	1-24	Investigations on the germination of teak seeds. <i>Kramer</i> .
	<i>L'Alpe</i>	19 (2-3)	89-90	Summer transplanting of <i>Pinus nigra</i> . <i>Magno</i> .
	"	19 (4-5)	152-154	Seed and seedlings of maple. <i>Pavari</i> .
	"	19 (6)	294-304	Use of asphalt felling in nurseries. <i>Passavallli</i> .
	"	19 (10)	359-367	Control of damping off in seed-beds. <i>Landucci</i> .
1933				
	<i>Biol. Abs.</i>	7	1540	Alcohol separation of empty seed and its effect on germination. <i>Baldwin</i> . Abs. (Amer. Jour. Bot. 19 (1). 1-11. 1932.)
	" "	7	1586	Soil reaction effect on early growth of conifer seedlings. <i>Sundling</i> et al. Abs. (Jnl. Amer. Soc. Agron. 24 (5). 341-351. 1932.)
	" "	7	1587	Evaluation problems of forest seedlings. <i>Tyszkiewicz</i> . Abs. (Las Polski 11 (7/9). 221-231. 1931.)
	" "	7	4124	Influence of burned slash on germination of conifer seed. <i>Eneroeth</i> . (Suomen metsätieteilijänew Seura Commentat. Forest. 5. 1-67. 1931.)
	" "	7	10299	Temperature, desiccation and storage effects on seed of <i>Ulmus americana</i> . <i>Steinbauer</i> . Abs. (Proc. Amer. Soc. Hort. Sci. 28: 441-443. 1931 (1932))
	<i>Jnl. Land Agts. Soc.</i>	32	365	Sample trees from nurseries; tests for age; the Oxford test.
	<i>Forstarchiv</i>	9	100-102	Protection and covering of seed beds and transplant lines. <i>Mende</i> .
	"	9	105	Production of one-year pine seedlings. <i>Steck</i> .
	"	9	106	Growth of Douglas fir seedlings. <i>Boak</i> .
	"	9	127-129	Breeding experiments with forest spp. <i>Wettstein-Westersheim</i> .
	"	9	135-136	Husking of larch cones. <i>Junack</i> .
	(Am.) <i>Jnl. For.</i>	31	19-25	Seed source and equality. <i>Perry and Coover</i> .
	"	31	434-435	Effect of weight class on germination in longleaf pine. <i>Deen</i> .
	<i>Bull. S. F. Belgique</i>	36	270-272	The required condition of plants for the forest.
	" "	36	402-408	The preservation and storage of forest seed. <i>Cabianca</i> .
	" "	36	408-410	Methods of hastening and regulating germination of forest seed. <i>Cabianca</i> .
	<i>Silva</i>	21	14-15	Extract from report of seed harvest for 1932.
	<i>Quar. Jnl. For.</i>	27	319	Growing ash from green seed. <i>Faithfull</i> .
	<i>Zeitschr. F. &amp; J.</i>	65	83-93	Outlook for tree breeding. <i>Dengler</i> .
	" "	65	461-478	Growth of one-year old pine seedlings. <i>Olberg</i> .
	<i>Allg. F. &amp; J. Ztg.</i>	109	105-110	Influence of seed size and race on the development of spruce. <i>Fanselow</i> .
	<i>Emp. For. Jnl.</i>	12	94	Importance of provenience in forestry. <i>Wibeck</i> .
	" "	12	198-210	Importance of the origin of forest seeds. <i>Baldwin</i> .
	<i>Forestry</i>	7	73-84	Experiments on ages and types of nursery stock for planting out. <i>Guillebaud</i> .
	<i>Ind. For.</i>	59	197-200	Importance of seed origin in forestry.
	" "	59	292	Nursery manuring experiments at New Forest. <i>Deogun</i> 14 pp.
	<i>Deutsche Forstwirt</i>	59	767-771	Synopsis of deodar nurseries in Kashmir. <i>Jamwall</i> .
	" "	15	9-11	Observations and experience with aspen seeds. <i>Graumann</i> .
	" "	15	101-103	Seed supply of East Prussian state forests with special reference to the harvest. <i>Neuser</i> .
	" "	15	237-239	Technique of storage of broadleaved seeds and preventing loss. <i>Jenss</i> .
	" "	15	583-585	Report of forest seed harvest, 1933. <i>Herrmann</i> .
	" "	15	674-675	Experiments with <i>Juglans</i> seedlings. <i>Walkenhorst</i> .
	<i>Mak. Echo</i>	12	13-33	Germination of mahogany seedlings in the Philippines. <i>Ponce</i> .
	" "	12	143-163	Effect of direct sunlight on establishing seedlings of <i>Diospyros discolor</i> . <i>Lalag</i> .
	<i>Can. For. Mag.</i>	29	205-206	The Ontario seed extracting plant. <i>Richardson</i> .
	<i>Mitg. D. Dendr. Ges.</i>	45	376-378	Production of acclimated seedlings. <i>Jorg</i> .
	<i>Kew Bull.</i>		257-269	The viability of seeds. <i>Turner</i> .
	<i>Wien F. &amp; J. Ztg.</i>	51	117	Seed bed operations and implements. <i>Laschowicza</i> .

## SILVICULTURE—SEED AND SEEDLINGS

PERIODICALS	VOL.	PAGE	BRIEF PARTICULARS
<b>1933</b>			
<i>Internat. Rev. Agric.</i>		T. 308—317	New principles in collection and preservation of forest seeds. <i>Cabianca</i> .
<i>Schweiz. Zeitschr. Forstw. Thar. For. Jahrb.</i>	83	167—176	Berry seed extraction plant in full operation. <i>Henne</i> .
" "	84	105—158	Researches on food stuff content of ashes of seedlings from Halstenbeck nurseries. <i>Manshard</i> .
" "	84	270—273	' Schrägverschulung'—a method of lining-out. <i>Munch</i> .
" "	84	293—327	Results of and description of spruce seed year 1924—1925 in Erz Mountains. <i>Putschner</i> .
<i>S. d'sche For. &amp; J. Ztg.</i>	33	31—32	New transplanting instrument. <i>Schers</i> .
" "	33	38—39	Seed and nursery year 1932—1933 report.
<i>Tectona For. Worker</i>	9 (1)	10—21	Germination investigations in Java. <i>Eidmann</i> .
" "	9 (3)	10	Broadcast sowing experiments in U.S.A.
" "	9 (3)	13	Peat mats for germination of forest tree seeds. <i>Wakeley</i> .
" "	9 (4)	11	Is nicotine good for seedlings? <i>Maddox</i> .
<i>For. Rundschau</i>	6	434	Acorns from same tree tend to be uniform. <i>Wood</i> .
			Effect of age on viability of pine seed. <i>Schectl. Abs. (Sylwan 51, S. 1 (an S.), 1933. Mit disch. Zus. a d. Waldbau-Inst. d. Polytechnik in Lwów.)</i>
<b>OTHER PUBLICATIONS</b>	<b>NO.</b>	<b>SHLF MARK</b>	<b>BRIEF PARTICULARS</b>
<b>1870</b>			
<i>Mitt. Forstl. Versuchsw. Oester.</i>	2	BNF/Austria	Nursery planting experiments with spruce, especially the effect of root pruning. <i>Reuss et al.</i> Pp. 182—199.
<b>1892</b>			
<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	2	BNF/Switz.	Experiments on seed and sowing. <i>Buhler</i> . Pp. 33—50.
" "	2	BNF/ "	Experiments on sowing in nursery plants. <i>Buhler</i> . Pp. 187—204.
<b>1895</b>			
<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	4	BNF/Switz.	Seed numbers and seed size. <i>Badoux</i> . Pp. 249—256.
" "	4	BNF/ "	Lining out seedlings. <i>Buhler</i> . Pp. 323—324.
<b>1900</b>			
<i>Int. Silvic. Cong. Pracs. Paris</i>	BNI		Influence of manure on growth in nurseries. <i>Giffroy</i> . Pp. 530—545.
<b>1904</b>			
<i>D. A. For. Serv. Cir.</i>	31	BNA	Exhibit of forest nursery in the Louisiana Exposition.
<b>1905</b>			
<i>Bull. D. A. Natal</i>	7	RS/Natal/ Gen.	Raising of young trees from seed. Pp. 21—39.
<b>907</b>			
<i>D. A. For. Serv. Cir.</i>	55	BNA	How to pack and ship young forest trees.
<i>Reform "Sammlerischer" Verschulden, Germany</i>	61	BNA	How to transplant forest trees.
		SS.B4	Sowing and lining-out implements for the nursery. <i>Hacker</i> .
<b>910</b>			
<i>Rpt. Internat. For. Cong. Brussels</i>	SS		Seeds in silviculture. <i>Crahay</i> .
<i>Mitt. Forstl. Versuchsw. Oester. Pamph.</i>	SS.B2		Storage of forest seeds. <i>Zederbauer</i> .
<i>D. A. Farm., Bull. Medd. Stat. Skogsforsoks. Sweden</i>	423	BNA	Forest nurseries for schools. <i>Moore and Jackson</i> .
	7	BNF/Sweden	Seed crop in Sweden. <i>Schotte</i> . Pp. 5—24, Swedish and Ger. Summ. (Abs. (Am.) For. Quart. 10, Pp. 734—738, 1912.)
<b>911</b>			
<i>Dir. Landb. Holland</i>	BNF/Holland		Significance of origin of <i>Pinus sylvestris</i> seedlings for Dutch forestry. <i>van Dissel</i> . Pp. 3—23.
<b>912</b>			
<i>Ind. For. Bull.</i>	8	BNB	Germination tests with Sal seed ( <i>Shorea robusta</i> ). <i>Troup</i> .
<i>D. A. For. Serv. Cir.</i>	208	BNA	Extracting and cleaning forest tree seed.
<i>Trans. For. Soc. Argyll. Rep.</i>		SS.A.b.	Testing of <i>Pinus</i> seeds from various sources. Pp. 51—60.
<b>913</b>			
<i>Neb. Univ. Misc. Mitt. Schw. Centr. forstl. Versuchsw.</i>	16	BNA	Notes on coniferous seedlings. <i>Guthrie</i> .
		BNF/Switz.	Influence of source of seed on growth of forest trees. <i>Engler</i> . Pp. 391—386.

FOREST BIBLIOGRAPHY TO 1933: PART I

OTHER PUBLICATIONS	NO.	SHILL MARK	DRILL PARTICULARS
1913			
<i>D. A. For. Serv. Bull.</i>	121	BNA	Sand-hill nurseries of Nebraska and Kansas. <i>Bates and Pierce.</i>
<i>Extr. Annales de la Science agronomique française et étrangère, Nancy</i>		SS.B4	Influence of manures in nurseries. <i>Culf.</i>
1914			
<i>Bd. Agr. Scot. Irl.</i>	21	SS	Collection and storage of forest seeds.
<i>U. S. Agr. Exp. Sta. Bull.</i>	178	BNA/Vermont	Development of white pine seedlings in nursery beds. <i>Burns</i>
" " "	181	BNA/ "	Relation of shade to evaporation and transpiration in nursery beds. <i>Burns and Hooper.</i>
<i>Mitt. Forstl. Versuchsw. Oester.</i>	38	BNF/Austria	Manuring research in forest nursery. <i>Rusnov.</i> Pp. 56-64.
<i>Medd. Stat. Skogsforsok. Sweden</i>	11	BNF/Sweden	Seed origin of Scots pine. <i>Schottle.</i> Pp. 61-107. ( <i>Act. Internat. Rev. Agric.</i> 1915. Pp. 950-951.)
1915			
<i>Pamph. Scandinavian Tree-Seed Establishment, Copenhagen</i>		SS	Testing of forest seeds. <i>Rafn.</i>
<i>Extra. Bull. For. Expt. Sta. Meguro, Japan</i>		BNF/Japan	Tree seeds in relation to descent of mother trees. <i>Shirasawa.</i>
" " " "		BNF/ "	Preservation of forest tree seeds. <i>Shirasawa and Koyama.</i> Pp. 15-27.
" " " "		BNF/ "	Effect of fertilizers on seedlings in Japan. <i>Moriya.</i> Pp. 33-41.
<i>Act. For. Fenn.</i>	5.1	BNF/Finland	Seed years and age class distribution in pine woods of N. Finland heathlands. <i>Lakari.</i> Pp. 1-21.
1916			
<i>Neb. Univ. U.S.A. Thesis</i>		SS	Ecological investigations on germination of forest trees <i>Borrlér.</i>
<i>U. S. Agr. Exp. Sta. Bull.</i>	193	BNA/Vermont	Discontinuous light in forests. <i>Burns.</i>
1917			
<i>D. A. Bull.</i>	479	BNA	Nursery practice on national forests. <i>Tillotson.</i>
<i>Pamph. Roy. Eng. Arb. Soc.</i>		SS	Forest tree seeds.
1920			
<i>Medd. Stat. Skogs. Sweden</i>	17	BNF/Sweden	Germination of Norrland pine seed in relation to temperature. <i>Wiback.</i> Pp. 1-20.
<i>Extr. Jnl. Dept. Agr. Ireland</i>		SS	Collection of tree seeds, Ireland. <i>Forbes.</i>
<i>Medd. Norske Skogforsoksr.</i>	1	BNF/Norway	Summer temperature and germination of pine seed. <i>Krogness.</i> Pp. 43-47.
1921			
<i>Brit. Emp. For. Conf. London</i>		RS/Brit. Isles	Seed supply. Pp. 118-124.
<i>D. A. For. Serv. Appl. For. Notes</i>	22	BNA	Gen. Germination of seed in the duff under white pine stands. <i>Larsen.</i>
<i>D. A. Jnl. Agr. Res. Repr.</i>	22	BNA	Storage of coniferous tree seed. <i>Tillotson.</i> Pp. 479-510.
<i>Burma For. Bull.</i>	1	BNA	Preparation of teak seed for early germination. <i>Blanford.</i>
<i>D. A. Farm. Bull.</i>	1123	BNA	Growing of hardwood seedlings. <i>Tillotson.</i>
<i>For. Res. Inst. India Rpt.</i>		RS/India/AR	Weight of seeds. P. 3.
<i>N.Z. For. Serv. Misc.</i>		BNA	Propagation of forest trees. <i>Goudie.</i>
1922			
<i>D. A. For. Serv. Appl. For. Notes</i>	27	BNA	Seed production of lodgepole pine ( <i>Pinus contorta</i> ).
" " " "	33	BNA	American seed in Norway.
<i>Med. Rijksbosch. Holland</i>	1.1	BNF/Holland	Importance of the seed problem for Dutch pine-forests. Pp. 10-102. Ger. and Fr. summ.
<i>Queensland For. Bull.</i>	4	BNA	Dundathu' kauri-seed and seedlings. <i>Petrie.</i>
1923			
<i>Yale For. Sch. Bull.</i>	9	BNA	Effects of cover over coniferous seed-beds. <i>Tourney and Needling.</i>
<i>D. A. Jul. Agr. Res. Repr.</i>	249	BNA	Control of snow molding in coniferous nursery stock. <i>Korstian.</i> Pp. 741-748.
<i>Proc. Emp. For. Conf.</i>		RS/Brit. Isles	Nursery practice in New Zealand. <i>Ellis.</i> Pp. 121-126.
<i>Medd. Norske Skogforsoksr.</i>	3	BNF/Norway	Weight and germination of pine seed. <i>Eide.</i> P. 58.
" " "	3	BNF/ "	Temperature and seed setting in Norwegian pine forests, 1920. <i>Eide.</i> P. 39.
" " "	3	BNF/ "	Instructions for seed collection. <i>Eide.</i> P. 41.
" " "	3	BNF/ "	Dead and empty seed and summer temperature. <i>Eide.</i> P. 62.

## SILVICULTURE—SEED AND SEEDLINGS

OTIPIR PUBLICATIONS	NO.	SHPF MARK	BRIEF PARTICULARS
1924			
<i>Yale For. Sch. Bull.</i>	10	BNA	Nursery investigations. <i>Toumey</i> .
<i>N.Z. For. Serv. Cir.</i>	16	BNB	Schools forestry plantations. <i>Page</i> .
<i>D. A. Dept. Bull.</i>	1263	BNA	Resistance of seedlings to heat. <i>Bates and Roester</i> .
<i>D. A. Jnl. Agr. Res. Repr.</i>	28	BNA	Delayed germination of western white pine. <i>Wahlenberg</i> . Pp. 1127—1131.
<i>Queensland For. Bull.</i>	2.1	BNB	Silviculture of hoop pine. <i>Swain</i> .
<i>Med. Rijksboschb. Holland</i>	1.3	BNF/Holland	Notes on drying of pine cones. <i>Hesselsink</i> . Pp. 29—37. (Eng. abs. in Bot. Abs. 14 (10/11): 8549, 1925.)
<i>Bombay For. Admin. Rpt.</i>		RS/Bombay/AR	Treatment of seed. P. 38.
<i>For. Res. Inst. Rpt. India</i>		RS/India/AR	Treatment of sandal seeds with strychnine. P. 25.
" " " "		RS/ " "	Soaking ash seed. P. 38.
1925			
<i>D. A. Dept. Bull.</i>	1264	BNA	Forest planting in intermountain region. <i>Korstan and Baker</i> .
<i>Ind. For. Bull.</i>	67	BNB	Chir ( <i>Pinus longifolia</i> ) seed supply. <i>Howard</i> .
<i>D. A. Jnl. Agr. Res. Repr.</i>	30.7	BNA	Reafforestation by seed sowing. <i>Wahlenberg</i> .
<i>D. A. Farm. Bull.</i>	1453	BNA	Growing coniferous trees. <i>Tillotson</i> .
<i>Mitt. Forstl. Versuchsanst.</i> <i>Tharandt</i>	2.5	BNF/Germany	Experiments with Scots pine from different sources. <i>Gross</i>
<i>For. Res. Inst. Rpt. India</i>		RS/India/AR	Weight of seeds. P. 6.
<i>Pamph. Wühlkultur-Börtrage.</i> <i>Neudamm</i>		SS	Lectures in soil cultivation. <i>Templin</i> .
<i>S. Afr. For. Dept. Rpt.</i>		RS/S. Afr./AR	Packing of acorns for transport. P. 23.
<i>Bull. Com. For. Paris</i>	28	BNF/ " "	On the time of ripening and dissemination of various forest tree seeds. <i>Mathey</i> . Pp. 282—287.
" " " "	28	BNF/France	Prices of various forest tree seeds in France. <i>Mathey</i> . Pp. 287—288.
" " " "	28	BNF/ " "	Germination studies in various seeds. <i>Mathey</i> . Pp. 293—319.
<i>Imp. Household Pubn. Japan</i>	1.1	BNF/Japan	Testing viability of seed by reagents. <i>Hasegawa</i> . P. 1.
<i>Medd. Stat. Skogsförsk. Sweden</i>	22	BNF/Sweden	Theory and practice of seed extraction. <i>Romell</i> . Pp. 125—144. (Eng. abs. in Bot. Abs. 15 (3): 2490, 1926.)
<i>Medd. Norske Skogforsk.</i>	5	BNF/Norway	Norwegian pine seed of the 1923 crop. <i>Eide</i> . Pp. 51—70.
" " " "	5	BNF/ " "	Season of seed collection and quality of seed. <i>Eide</i> . Pp. 70—79.
" " " "	5	BNF/ " "	Plant per cent. and temperature in year of ripening. <i>Eide</i> . Pp. 80—91.
1926			
<i>1st. Int. Silvic. Cong. Procs. Rome</i>	4	BNI	Control of origin of seed. <i>Lonkhuyzen</i> . Pp. 509—510.
" " " "	4	BNI	International exchange of forest seed. <i>Konsel</i> . Pp. 680—681.
" " " "	4	BNI	Question of seed origin in Sweden. <i>Romell</i> . Pp. 682—694.
<i>N.S.W. Roy. Soc. Repr.</i>	67	BNI	Note on forest seed production. <i>Silvio</i> . Pp. 640—646.
<i>Pamph. Merkblatt zur Forstlichen Saatguterkennung.</i> <i>Neudamm</i>		SS	Vitality of acacia seedlings. <i>Cambage</i> . Memorandum of forest seed authentication. Seed Committee, Germany.
<i>Extr. Bull. For. Expt. Sta., Tokyo, Japan</i>		BNF/Japan	Preservation of seeds. <i>Shirasawa and Koyama</i> . P. 2.
" " " "		BNF/ " "	Seed experiments. <i>Shirasawa et al.</i> Pp. 1—5.
" " " "		BNF/ " "	Effect of ammonium sulphate on nursery stocks. <i>Okinaga</i> . P. 9.
" " " "		BNF/ " "	Methods of hastening germination of tree seeds. <i>Tosawa</i> . P. 37.
<i>Cyprus For. Admin. Rpt.</i>		RS/Cyprus/AR	Weight of seeds. <i>Unwin</i> . P. 26.
1927			
<i>Med. Rijksboschb. Holland</i>	3.1	BNF/Holland	Results of provenience researches at home and abroad. <i>Van Vloten</i> . Pp. 69—80.
<i>Vi. Agr. Expt. Sta. Bull.</i>	267	BNA/Vermont	Leaf efficiency in thrifty and stunted white pine seedlings. (Studies in tolerance of N.E. forest trees VIII.) <i>Burns</i> .
<i>Medd. Stat. Skogf. Sweden</i>	23	BNF/Sweden	Study on the risks of using in a particular district pine seed from other sources. <i>Eneroth</i> . Pp. 1—62.
" "	23	BNF/ " "	Spring and autumn sowing. <i>Wibeck</i> . Pp. 217—229.

FOREST BIBLIOGRAPHY TO 1933: PART I

1927	OTIIR PUBLICATIONS	NO.	CITIIT MARK	BRIEF PARTICULARS
	Medd. Stat. Skogsf. Sweden	23	BNT/ "	Importance of nitrogen mobilization in raw humus for the early development of pine and spruce plants. <i>Hesselman</i> . Pp. 337-432.
	Niedammer Forstliche Belehrungshefte (B C) For. Branch Rpt.	22	SS	Importance of safeguarding origin of pine seed. <i>Schwaephach</i> . Seed dissemination by wind. P. Bio-11.
	Penn F. D. Bull. Agr. and For. Coll. Sungen, Korea	44	RS/Brit. Col./AR	Forest tree nursery practice. <i>Keller</i> . Seeds of the genus <i>Pinus</i> . <i>Uyeki</i> .
	Yale For. Sch. Bull. Mitt. forstl. Versuchsanst. Tharandt	19	BNA	Germination in oaks. <i>Korstian</i> .
	S Afr. F. D. Repr. S Afr. Jnl Sci Repr. Medd. Norske Skogsforsoksr. Mich. Agr. Spec. Bull. Dep. fed. Intr. Inspec. For. Chasse et Peche, Suisse. Extr. Der Zuchter. Berlin Samml. Forstw. Schr. Latvia	24	BNB	Catalysis and germination. <i>Schmieder</i> . Extraction of seeds from cones. <i>Robertson</i> . Pp. 320-327.
	Vol. 24	SS C2	The bush dove and seed disposal. <i>Phillips</i> . Pp. 435-440.	
	8	BNT/Norway	Breeding seed of 1925 crop from N. Norway. <i>Lide</i> . Pp. 15-18.	
	163	BNA	Nursery practice in Michigan. <i>Chittenden</i> .	
		BNF/Switz.	Instructions on preparation of forest seed of known origin.	
		SS.B-1929	Plant breeding and selection. <i>Lochow</i> et al. Ger.	
		BNT/Latvia	Influence of depth and material of covering Scots pine seeds on germination, etc. <i>Zemits</i> . Pp. 96-110.	
		BNF/ Germany	Preparation of forest seed. <i>Kunig</i> et al. Pp. 214-246.	
	Deutscher Forstw. Jahrest.			
	For Res. Inst. Rpt. India		RS/India/AR	Hot water treatment for hastening germination. P. 8.
	Stat. Skogsforsok Lj.	37	RS/ "	Germination tests in Coorg. P. 73.
	" " "	38	BNF/Sweden	Fertility of <i>Pinus</i> , <i>Betula</i> , <i>Abies</i> and <i>Picea</i> in Sweden in the first and second years. <i>Tirén</i> .
			BNF/ "	Seed-yield of birch in Sweden. <i>Tirén</i> .
1928				
	For. Com. Bull	11	BNB	Nursery investigations. <i>Steven</i> .
	Yale For. Sch. Bull	21	BNA	Test of coniferous tree seeds. <i>Toumey and Stevens</i> .
	Ind. For. Bull.	41	BNB	Note on weight of seeds. <i>Howard</i> . (Revised edition of 1921).
	Med. Rijpl. snoebh. Holland	3	BNT/Holland	Weather and seed production of Scots pine. <i>Ecology of Scots pine</i> . <i>Hesselink</i> . Pp. 309-313.
	Penn F. D. Bull. Madras For. Admin. Rpt.	47	BNA	The Clearfield forest nursery. <i>Dague</i> .
	(B C) For. Branch Rpt.	2	RS/Madras/ AR	Notching teak seedlings. <i>Littlewood</i> . P. 98.
	" " "		RS/ Brit. Col./AR	Production of tree seed in B.C. <i>Carterhill</i> . P. B9.
			RS/ "	Viability of seeds in Canada. <i>Carterhill</i> . P. B9.
	For Res. Inst. Rpt. India		RS/ Indi/AR	Studies of seedling survival in B.C. <i>Carterhill</i> . P. B11.
	" " " " "		RS/ "	Germination tests of teak seeds in Bombay. P. 40.
	" " " " "		RS/ "	Notching teak seedlings in Madras. P. 43.
	" " " " "		RS/ "	Sowing methods for <i>Dalbergia latifolia</i> in Madras. P. 43.
	" " " " "		RS/ "	Sowing methods for <i>Pterocarpus marsupium</i> in Madras. P. 45.
	" " " " "		RS/ "	Method of germinating teak seed in U. P. P. 65.
	" " " " "		RS/ "	Sowing methods for mahogany in Bengal. P. 92.
	Kenya F. D. Pubn	1	BNB	Raising of young trees from seed. <i>Sprunt</i> .
	D. A. Jnl Agr. Res. Repr.	36	BNA	Forest planting in N. Rocky Mts. <i>Wahlenberg</i> .
	Nigeria F. D. Bull.	12	BNB	Nursery experiments in Nigeria. <i>Kennedy</i> . Pp. 5-13.
	B.E.F.C. Papers		RS/ Brit. Isles/Gen	Nursery technique in N. Zealand. <i>Marrison</i> . Pp. 540-550.
	" " "		RS/ "	Progress in nursery technique in N. Zealand. <i>Foster</i> . Pp. 551-556.
	Eesti. Forstw. Jahrb.	3	BNT/Estonia	Notes on forest seed extraction in Estonia. <i>Mallison</i> . Pp. 157-183.
	Samml. Forstw. Schr. Latvia	6	BNF/Latvia	Germination and early development of plants from dark and light coloured pine seeds. <i>Zemits</i> . Pp. 40-44.
	Queensland For. Bull.	8	BNB	Silvicultural note on maple silkwood. Seeds and seedlings Pp. 13-16.
	" " "	9	BNB	Southern silky oak. Seed collection and nursery treatment. <i>Swain</i> .
	" " "	10	BNB	Northern kauri pine. Seed collection and nursery treatment. <i>Swain</i> .
	" " "	11	BNB	Yellow wood ash. Seed collection and nursery treatment. <i>Swain</i> .

## SILVICULTURE—SEED AND SEEDLINGS

YEAR	OTHER PUBLICATIONS	NO.	SILV. MARK	DRIFT PARTICULARS	
				DRIFT	NOTES
1929					
	<i>D. A. Jnl. Agr. Res. Repr.</i>	38.4	BNA	Density of seedlings of forest planting stock. <i>Wahlenberg.</i>	
	" " " "	39.2	BNA	Modification of pine root systems by fertilization. <i>Wahlenberg.</i>	
	<i>(N.Z.) For. Serv. Rpt.</i>		RS/NZ/AR	Fumigation of tree seed. P. 18.	
	<i>For. Res. Inst. Rpt. India</i>		RS/India/AR	Effect of size of seed on development. P. 8.	
	" " " "		RS/	Exposure of seeds and germination. P. 10.	
	" " " "		RS/	Manuring of seed beds. P. 11.	
	" " " "		RS/	Nursery shades for frost protection. P. 12.	
	<i>Repr. For. Chronicle Vol. 5, Dec.</i>	4	SS	Seed dissemination in British Columbia. <i>Pitchford.</i> Pp. 1—9.	
	<i>Can. For. Serv. Res. Notes</i>	20	BNB	Direct seeding in New Brunswick. <i>Robertson and Veness.</i>	
	<i>D. A. Lst.</i>	32	BNA	Planting southern pine seedlings. <i>Wakeley.</i>	
		35	BNA	Producing pine nursery stock in South U.S.A. <i>Wakeley.</i>	
	<i>Carnegie Inst. Repr.</i>		BNA	Calorimetry in forest tree seeds. <i>Long.</i> P. 193.	
	<i>D. A. Farm. Bull.</i>	1567	BNA	Propagation of trees and shrubs. <i>Verkes.</i>	
		1591	BNA	Transplanting trees. <i>Mulford.</i>	
	<i>S. Rhod. For. Serv. Bull.</i>	726	BNB	Raising of planting stock in S. Rhodesia.	
	<i>(B.C.) For. Branch Rpt.</i>		RS/Brit. Col./AR	Seedling survival in Douglas fir. P. 213.	
	<i>Minn. Univ. Agr. Exp. Sta. Rpt.</i>		RS/USA/AR	Seed testing in Minnesota. P. 8.	
	<i>Nigeria F. D. Rpt.</i>	"	RS/	Seed storage tests in Minnesota. P. 10.	
			RS/Nigeria/AR	Viability tests in Nigerian nurseries. <i>Ainslie.</i> Pp. 15—16.	
	<i>U.P. (Ind.) F. D. Bull.</i>	2	BNB	Resistance of Sal seedlings to burning. <i>Chaturvedi.</i>	
	<i>Proc. 3rd Silv. Conf.</i>		RS/India/Gen.	Importance of seed origin in artificial regeneration. Pp. 71—77.	
	<i>D. A. Cir.</i>	79	BNA	Application of statistical methods to seed testing. <i>Collins.</i>	
1930					
	<i>D. A. Cir.</i>	92	BNA	Forest nursery practice in California. <i>Show.</i>	
	" "	120	BNA	Growing trees for forest planting. <i>Olson.</i>	
	<i>D. A. Tech. Bull.</i>	125	BNA	Use of fertilizers in nursery. <i>Wahlenberg.</i>	
		136	BNA	Ward control by chemicals in the nursery. <i>Wahlenberg.</i>	
	<i>D. A. Jnl. Agr. Res. Repr. Jammu and Kashmir For. Admin. Rpt.</i>	40.3	BNA	Production of lodgepole pine seed. <i>Hales.</i>	
			RS/Jammu and Kashmir/AR	Automatic watering system for growing plants. <i>Steinberg.</i>	
	<i>For. Res. Inst. Rpt. India</i>		RS/India/AR	Seed years in Jammu and Kashmir. <i>Hoon.</i> P. 11.	
	<i>Trinidad &amp; T. For. Admin. Rpt.</i>		RS/	Seed storage tests in India. P. 14.	
			RS/Trinidad/AR	Methods for seed weightments in Madras. P. 86.	
	<i>(B.C.) For. Serv. Puhn.</i>		BNB	Fumigation of seeds in Trinidad; results. <i>Marshall.</i>	
	<i>Médd. Norske Skogforsk.</i>	13	BNF/Norway	A study of reforestation by seedling. <i>Schenstrom.</i>	
	<i>Cyprus For. Admin. Rpt.</i>		RS/Cyprus/AR	Summer temperature and seed germination of spruce. <i>Eide.</i> Pp. 473—506. (Eng. abs. in Biol. Abs. 5 (11): 27188, 1931.)	
	<i>Deutscher Forstw. Jahrest.</i>		BNF/	Raising seedlings in Cyprus. <i>Unwin.</i> P. 25.	
	<i>Tartu Ülikooli Univ. of Tartu Estl. Forstw. Jahrb.</i>	16	BNF/Estonia	Plant breeding experiments at Halsterbek and neighbourhood. <i>Mende.</i> Pp. 278—284.	
	<i>Int. Un. For. Res. Organis. Long. Prot. Stockholm</i>	4	BNF/	Propagation of aspen from seed in N. Europe. <i>Rehn.</i>	
	" " "		BNI	New method of sowing forest seed. <i>Melders.</i> Pp. 11—23.	
	" " "		BNI	International organization for supplying tree seeds of guaranteed origin. <i>Guinier.</i> Fr. Pp. 37—39.	
	" " "		BNI	Physiological differences in young plants. <i>Schmidt.</i> Ger. Pp. 317—332.	
	" " "		BNI	Seed provenance question in Sweden. <i>Langlet.</i> Ger. Pp. 333—342.	
	" " "		BNI	Analysis of cones for seed contents, etc. <i>Vincent.</i> Ger. Pp. 431—435.	
	" " "		BNI	Influence of storage on coniferous seed qualities. <i>Vincent.</i> Ger. Pp. 436—440.	
	<i>Bericht der Waldsamenprüfungsanstalt, Eberswalde, Neudamm</i>		RS/Germany/Gen.	Account of forest seed testing at Eberswalde during first 30 years. <i>Schmidt.</i>	
	<i>Pamph. Timber Trees of Trinidad and Tobago</i>		SS/B7	Germination of some timber trees in Trinidad. <i>Marshall.</i> Pp. 21—47.	
	<i>Deutscher Forstw. Jahrb.</i>		BNF/Germany	Soil and nutrition problems in forest nursery management. <i>Pasch.</i> Pp. 269—277.	

FOREST BIBLIOGRAPHY TO 1933: PART I

OTHER PUBLICATIONS	NO.	SHILF MARK	BRIEF PARTICULARS
<b>1931</b>			
<i>Burma For. Bull.</i>	24	BNB	Sowing and planting teak in taungya. <i>Blanford</i> .
<i>Ind. For. Rec.</i>	36 5	BNB	Seed and seedlings of <i>Sal</i> . <i>Champion and Pant</i> .
<i>D. A. Jnl. Agr. Res. Repr.</i>	42 2	BNA	Germination loss of coniferous seeds due to parasites <i>Rathbun Gravatt</i> .
" " " "	43 5	BNA	Effect of grazing on conifer seedlings. <i>Ingram</i> . Pp. 415-416.
<i>N.Y. Conserv. Dept. Rpt</i>	38	RS/N.Y. State/AR	Nursery practice in New York State. Pp. 151-156.
<i>For. Res. Inst. Rpt. India</i>		RS/India/AR	Germination tests of Indian seeds. Pp. 6-8.
<i>Korte Med. Proefst. Boschuw. Java</i>	20	BNF/Java	Weights and volumes of fruits and seeds of Java trees. <i>Hardjowasono</i> .
<i>Brit. Columbia For. Serv. Publ.</i>		BNB	Factors in tree seed production. <i>Griffith</i> .
<i>Int. Timber &amp; Silv. Cong. Proc. Paris</i>	2	BNI	Seed origin of <i>Scots pine</i> in Holland. <i>Van Dissel</i> . Pp. 215-218.
" " " "	2	BNI	Seed collection methods in Dept. of Gard, France. <i>Negre</i> . Pp. 221-232.
<i>Can. For. Serv. Cir. Ontario</i>	13	BNB	Regulations for gathering pine cones and other tree seeds in Canada. <i>Richardson</i> .
<i>Neb. Univ. Misc. (Thesis)</i>		BNA	Development of roots and shoots of deciduous tree seedlings in different sites. <i>Wolch</i> .
<i>Pub. For. Soc. Poland</i>	1	BNF/Poland	Investigations of specific qualities of larch seed. <i>Tyszkiewicz</i> . Pp. 3-77.
<i>Mitt. Schw. Centr. forstl. Versuchsw.</i>	16 (2)	BNF/Switz	Influence of the origin of seed on the quality of wood. <i>Burger</i> . Pp. 153-230.
<i>Czecho-Slovakia Annales Inst. Recherch. Agron.</i>	7	BNF/Czecho-Slovakia	Manuring of one-year seedlings. <i>Simana</i> . Pp. 43-44.
" "	7	BNF/ "	Ger. Summ. p. 75.
<i>Comm. For. Finl</i>	5	BNF/Finland	Observations on germinating power of spruce and fir. <i>Simana</i> . Pp. 53-56. Ger. Summ. pp. 76-77.
			Effect of ashes from slash burning on germination and early development of conifers. <i>Eneroöth</i> . Pp. 1-55. Finn. pp. 56-61, Ger. Summ.
<b>1932</b>			
<i>8th Yale Ntnl. Shade Tree Conf.</i>		BNA	Reducing storage and transplanting losses. <i>Neilson</i> . P. 103.
<i>For. Res. Prog. Rpt. India</i>		RS/India/AR	Seed germination tests in India. P. 7.
<i>For. Res. Inst. Rpt. India</i>	2	RS/ "	Germination tests of treated teak seeds in Bombay. P. 29.
" " " "	2	RS/ "	Germination tests of various species at Hinoo experimental garden. <i>Bihar and Orissa</i> . P. 25.
<i>Ind. For. Rec.</i>	17 2	BNB	Treatment of seed of <i>Acacia arabica</i> in Berar. <i>Vahid</i> .
<i>Korte Med. Proefst. Boschuw. Java</i>	23	BNF/Java	Germination tests with teak seeds in Java. <i>Kramer</i> .
<i>Bombay For. Admin. Rpt.</i>		RS/Bombay/AR	Germination tests of treated teak seeds. P. 47.
<i>N.Z. For. Serv. Lst.</i>	8	BNB	Fumigation of Douglas fir seed. <i>Kennedy</i> .
<i>Comment For. Finl</i>	17 1	BNF/Finland	Seeding abilities of forest trees <i>Heikinheimo</i> , Ger.
<i>(N.Y.) Conserv. Dept. Rpt.</i>	38	RS/New York/AR	Forest nursery practice in America in 1932. Pp. 147-156.
<i>S Afr. F. D. Bull</i>	25	BNB	Propagation of tree seedlings in S. Africa.
<i>Punjab For. Lst</i>	3	BNB	Forest nursery work in the hills. <i>Trevor</i> .
<i>Int. Un. For. Res. Organiz. Cong. Proc. Nancy</i>		BNI	Forest tree seed research in N. America. <i>Baldwin</i> . Pp. 223-229.
" " " " "		BNI	Control of <i>Scots pine</i> seeds and plants in Holland. <i>Dissel</i> . Pp. 230-237.
" " " " "		BNI	How to realise the organisation of origin guarantee of seeds. <i>Vincent</i> . 238-254.
<b>1933</b>			
<i>Ind. For. Rec.</i>	17 (5)	BNB	Importance of origin of seed in forestry. <i>Champion</i> .
<i>For. Com. Bull.</i>	14	BNB	The growing of seedlings: methods in Gt. Britain. Pp. 9-14.
<i>Extr. Bull. Imp. For. Expt. Stn., Tokyo, Japan</i>	2	BNF/Japan	Experiments on storage of forest tree seed. <i>Shirasawa and Koyama</i> . Pp. 23-38.
" " " "	2	BNF/ "	Forcing germination of <i>Rhus vernicifera</i> . <i>Koyama</i> . Pp. 29-31.
" " " "	2	BNF/ "	Germination and sowing of <i>Keyaki</i> seeds ( <i>Zelkova serrata</i> ). <i>Koyama</i> . Pp. 33-39.
" " " "	2	BNF/ "	To expedite germination of <i>Magnolia</i> . <i>Koyama</i> . Pp. 41-45.
" " " "	2	BNF/ "	Effect of radio-active material on seedlings. <i>Moriya</i> . Pp. 47-49.

END OF PART ONE.

